

678 27364 92836 89428 61268 74982 36498 32764 81276 81  
986 40932 70987 32123 49817 26346 81287 65491 87364 81  
721 75654 55656 12737 72727 72727 91918 63473 67867 70  
723 87629 37677 32612 53498 71296 28756 18276 98716 87  
7269 76329 74698 76857 98670 27601 56701 57601 73648 15  
591 87364 87265 96710 27630 12673 84769 28743 98127 59  
58 63298 75698 27465 87326 49876 28376 81273 98615 62  
667 87432 74328 78674 29867 32867 67867 86786 43296 432  
57 68768 68763 34234 34238 68768 62342 48273 48768 234  
936 98432 32432 86743 43286 43286 43286 43286 43286 432  
743 86743 86743 39867 32867 86743 43286 43286 43243 867  
741 86743 86743 86743 86743 86743 86743 86743 86743 435  
543 98798 98754 98754 98754 98754 29867 67543 67986 867  
176 87698 69876 87698 69876 87612 12341 34867 86798 632  
967 43298 65656 56756 56123 32143 14321 32143 14321 321  
741 92787 58765 76587 58765 76587 58765 76587 58756 765  
75475 96547 56965 36543 54365 36543 54365 36543 54365 561

# Numbers & Oddities

## a.k.a. The Spooks Newsletter

*Edition #160, January 2011*

Editor: Ary Boender email: ary@luna.nl

Check for previous newsletters, info, sound samples and databases also:

**NUMBERS & ODDITIES** <http://www.ary.luna.nl>

<http://www.numbersoddities.nl>

**SPY NUMBERS ONLINE DATABASE** <http://www.spynumbers.com/numbersDB>

**UTILITY DXERS FORUM (UDXF)** <http://www.udxf.nl>

Welcome to the 160th edition of "Numbers & Oddities".

What do we have for you this month? We have an extended V24/M94 report, S28 and S30 info, some interesting UNIDS that need to be identified, MFA Cairo logs, and last but certainly not least, an article called "Secrecy in Radio Communications", originally published in the February 1923 edition of Radio News.

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## VOICE STATIONS

### E11



An interesting log from Yvan (recording online) of the E11 transmission dated 15 Jan, 1450 UTC on 4441 kHz AM. The 7<sup>th</sup> group of the message was only four figures long. I guess that this is an error. At least, I haven't seen or heard it before.

287 OBLIQUE 34  
60312 85477 26637 89717 75719 01383 **6984** 22808 28394 51452  
95094 63720 61949 13853 15102 51445 99584 79406 07769 92436  
21368 62744 75524 99123 11175 49972 98580 17555 06494 31960  
69496 75666 02827 77260  
Repeat of the message.  
OUT

Another interesting note came from Leif Dehio who uploaded sound samples of a digital mode. Leif writes on his website "09-01-2011. Added samples of 100Bd / 625Hz FSK waveform used by Polish intelligence for one-way broadcasts via HF. This is the digital counterpart of the analogue voice broadcasts that have been labeled as the E11/G11/S11". The frequencies for this mode are usually close to the E11/G11/S11 frequencies.

<http://signals.taunus.de/TABLES/FSK.HTML#POL-INTEL>

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### E17z

11170 kHz, 0800 UTC, 13-01: 674 283 5 etc.  
9820 kHz, 0810 UTC, 13-01: 674 283 5 etc.

(Reported by Fritz)

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## G06



Mike heard the station on 4519 kHz, 1830 UTC, 13-01:

271  
654/15  
45639 09254 73820 87905 46574 46352 87243 09683 35426 13245  
25476 98735 64509 14309 23417  
654/15  
00000

---

## S06



9463 kHz, 1200 UTC, 31-01-2011 (reported by Mike)

801 801 801  
975 40  
57387 00004 13079 11610 58059 90308 31140 43530 69065 77591  
70316 31509 08640 07171 39568 86732 17128 24049 10310 09998  
90995 25845 83549 74977 20622 95601 47921 53424 46462 59402  
54373 02391 21318 83301 79884 45495 63959 28503 13595 02651  
975 40  
00000

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## S28 - The Buzzer (UVB-76/UZB-76, MDZhB)



МДЖБ МДЖБ 68 832 ПРИРОДА 15 76 95 38

Daniel contacted me about his website. He created a website about S28. It includes all the messages and more. If you are interested in the Buzzer be sure to check it out.

<http://danix111.cba.pl/ns/uvb-76.html>      <http://danix111.cba.pl/archives>

A number of logs were derived from Daniel's website.

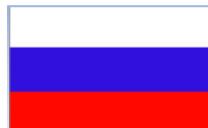
01-01 1040 UTC Male voice. 10-count

05-01 1402 UTC Female voice:  
МДЖБ МДЖБ 79 613 СКОПЛЕНИЕ 15 81 75 52  
MDZhB MDZhB 79 613 SKOPLENIYe 15 81 75 52

05-01	1403 UTC	<b>Female voice:</b> МДЖБ МДЖБ 26 739 ИКОНОМЕТР 65 71 18 45 MDZhB MDZhB 26 739 IKONOMETR 65 71 18 45
11-01	0938 UTC	<b>Male voice:</b> МДЖБ МДЖБ 05 980 СКЛОН?АЙ 31 00 60 16 MDZhB MDZhB 05 980 SKLON?AJ 31 00 60 16
14-01	1452 UTC	<b>Female voice:</b> МДЖБ МДЖБ 54 926 ЕЛЬЧАНИН 23 44 10 77 АЛЬЧИН 87 40 19 17 MDZhB MDZhB 54 926 YeL'ChANIN 23 44 10 77 AL'ChIN 87 40 19 17
17-01	1511 UTC	<b>Female voice:</b> МДЖБ МДЖБ 21 446 ГЛУВОНЕМ 36 31 74 60 MDZhB MDZhB 21 446 GLUVONYeM 36 31 74 60
20-01	0202 UTC	<b>Male voice.</b> МДЖБ МДЖБ 482 НАМИРА 29 73 72 71 MDZhB MDZhB 482 NAMIRA 29 73 72 71
21-01	0657 UTC	МДЖБ МДЖБ 61 885 НАВОЗКА 89 56 74 16 MDZhB MDZhB 61 885 NAVOZKA 89 56 74 16
26-01	1458 UTC	МДЖБ МДЖБ 19 553 ИЛОТИЦИН 36 19 69 46 ХЛОРАПАТИТ 80 80 29 83 MDZhB MDZhB 19 553 ILOTICIN 36 19 69 46 HLORAPATIT 80 80 29 83
28-01	1508 UTC	<b>Male voice.</b> МДЖБ МДЖБ 57 352 РЕФРАКТОР 09 78 68 02 MDZhB MDZhB 57 352 RYeFRAKTOR 09 78 68 02
28-01	1536 UTC	Repeat of 1508 UTC.

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### S30 – The Pip



Daniel is quite active. Besides the S28 websites he now also created a S30 study page: <http://danix111.cba.pl/ns/pip.html>

S30 is active on 3756 and 5448 kHz.

08-01	2331 UTC	Distorted male voice.
01-02	1605 UTC	Female voice: 8S1Shch 70 846 VYeRIN 81 78 16 54.

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## V21 – Cuban Babbler



The Cuban Babbler has been reported throughout the month on its usual frequency 5688 kHz.

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## V24



We received the following reports from Token. Thanks for that, T!

*"It has been a while since I have reported anything at all, radio has taken a serious back seat in recent months. However, I have encountered some new habits/activity with V24/M94.*

*Last year around the first of the year V24 and M94 went through a couple of changes, they dropped all activity on the lower four frequencies, 4500, 4600, 4900 and 5115 kHz, moving most of these into empty time slots on the remaining four frequencies, 5715, 6215, 6330, and 6730 kHz. They also greatly reduced M94 transmissions, to just a few slots for each month, I commented at the time that it looked like M94 might be on the way out. Well, this January 1st marked another change.*

*Starting January 1 of this year V24 appears to have reactivated at least 4600 and 4900 kHz. The 4500 kHz frequency has a 24 hour a day digital mode on it, that signal has always been there and made reception for me of the V24 transmissions on 4500 problematic, although I did hear a few. The 5115 kHz frequency is clear for me, but I have not heard anything on it this year, and it was an M94 only frequency when it was used.*

*So far I have seen no M94 activity on these newly reactivated frequencies. All of the transmissions I have caught this year on the new frequencies are V24 only. In fact, since the 1st of the year I have received no M94 transmissions at all and there should have been two different M94 messages in the last week and a half. On the 1st and 2nd of the month at 1300 UTC on 5715 M94 should have gone with ID 1017, and today (the 10th) M94 should have gone at 1400 UTC on 6330 with ID 935, none of them were received at my location. Today's M94 was replaced by a V24 in the same time slot, but on 6730 kHz. It is naturally too early to tell, but it may be that M94 has been discontinued.*

*At this time I am hearing regular V24 messages on 4600, 4900, 5715, 6215, 6330 and 6730 kHz. I have been recording the entire spectrum from 4500 to 6900 kHz but have not seen any new frequencies in use, just reactivation of old frequencies. The schedule is about 50% in line with what it was at the end of last year. As soon as I have a feel for the new schedule I will update my web pages and my posted schedule.*

*T!, Mohave Desert, California, USA, 10-1-2011"*

"Hello all,

Earlier this month (Jan 10, 2011) I reported V24 and M94 had made some major changes to transmission schedules and frequencies used. I reported they had reactivated some older frequencies and possibly had reduced M94 to little or no traffic.

Since that time I have been watching V24/M94 closely, trying to understand exactly what changes have taken place. I have been watching all frequencies that I am aware of that have ever been used by V24/M94 in the past, so daily from 1200 to 1700 UTC the frequencies on the watch list include 4500, 4600, 4900, 4940, 5115, 5450, 5550, 5715, 5850, 6215, 6330, 6715, and 6730 kHz.

V24/M94 has indeed re-activated at least three frequencies it has not used since December of 2009.

I started to monitor V24/M94 in March, 2009. At that time an MCW station was known to be associated with V24, but had not yet been given the Enigma designator of M94. Most reports of V24 were on 5715 and 6215 kHz and most were being made from Japan although V24 was known to have operated on other frequencies in the past.

#### 2009 activities:

In 2009 V24 and/or M94 was using 4500, 4600, 4900, 5115, 5715, 6215 and 6730 kHz. M94 was not designated as such until June of 2009, prior to that it was generally noted as Unknown MCW and I have included those as "M94" for this discussion. Some frequencies (4500, 5115, and 5715 kHz) were used by both V24 and M94, other frequencies (4600, 4900, 6215, and 6730 kHz) were used by only V24, no M94 traffic was ever noted on those four. M94 carried less traffic (as determined by percentage of transmission windows) than V24, but was still very active, with over 40 transmissions in an average month.

#### 2010 activities:

In January 2010 operations on 4500, 4600, 4900, and 5115 kHz ceased and most of that traffic moved into empty time slots in the upper frequencies, 5715, 6215, and 6730 kHz, so that the total traffic remained about the same. M94 activity greatly reduced overall, to less than one third of what it had been. In February 2010 a new frequency was noted, 6330 kHz, it is unknown if this was indeed a new frequency or if it had been in use all along and only noticed at this time. For the first couple of months of 2010 transmission schedules fluctuated somewhat, but eventually became very stable for the remainder of the year. For the entirety of 2010 V24/M94 used four frequencies, 5715, 6215, 6330, and 6730 kHz. V24 used all four frequencies, M94 used only 5715 and 6330 kHz.

#### 2011 Activities:

In January 2011 the transmission schedules again changed, with only about 50% of the 2010 schedule still applying. All M94 scheduled transmissions for the first 10 days of 2011 did not happen, this led me to pose the question of if M94 might have ceased operations. As luck would have it the day after I posted that update and question M94 resumed normal

*operational tempo. At this time V24/M94 appears to have reactivated the frequencies in use in 2009 plus 6330 that was not found until early 2010. I have recorded transmissions on 4600, 4900, 5115, 5715, 6215, 6330, and 6730 kHz. It is possible that 4500 kHz is also active, but due to a locally strong digital signal and the fact that China has moved a BC station onto 4500 I have not been able to confirm or eliminate 4500 kHz as a currently valid V24/M94 frequency. M94 seems to have the same schedule as in 2010, about a total of 12 transmissions a month on the same frequencies and using the same ID's as last year. At this time it looks like V24 is active on all 7 frequencies (4600, 4900, 5115, 5715, 6215, 6330, and 6730 kHz), and M94 on the same two as last year (5715 and 6330 kHz).*

*So far this year there have been no 1620 UTC transmissions as there was in the past, however the number of 1630 UTC time slots is increased. The overall time window still appears to be 1200 to 1630 UTC daily, but now strictly on the XX00 and XX30 times. Since there was a note in 2002 that the station might also include a 1700 UTC transmission I have been watching for that time slot, but have not caught a transmission there. Other time slots have been occasionally reported (generally all before 2005), from 0300 to 2100 UTC, and as a result I have monitored the most commonly used frequencies 24 hours a day, so far with nothing outside the 1200 to 1630 time frame.*

*The transmission schedule for the last month has been slightly chaotic, as it was for the first month or so of last year. At times it appears that the "two day" transmission format is not used, and a given transmission will only be a single day or worse yet transmit one day, skip a day, and duplicate the transmission the third day. I am working on a new printed schedule, but it will probably not be ready until about the first of March, and not confirmed until after the end of March.*

*T!, Mohave Desert, California, USA, 30-1-2011"*

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## MORSE STATIONS

### MX - Russian Military beacons



Reported beacons and channel markers.

European Cluster Beacons: D, S, C, A

Asian Cluster Beacons: F, K, M

Channel markers: R

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### M12



Wolfgang posted this transcript of an M12 transmission on 6902 kHz at 1942 UTC on 24-1.

257 1 257 257 1  
2070 63 2070 63  
80685 56987 69666 82183 33291 60653 05028 56437 41465 18825  
69315 92622 25322 28844 47862 38687 05334 18140 05907 08087  
68757 78501 88871 07583 27863 35320 46047 68374 76482 55053  
56388 68617 31199 00798 48832 69233 22811 43846 30989 84371  
27438 16506 71807 48013 33747 38688 41371 65093 94676 10575  
39248 67259 04922 91709 76078 17134 94673 24574 41670 64628  
32601 44234 83303

---

**M21** *Russian Air Defence Forces*  
*Voyska Protivo Vozdushnoy Oborony*  
*Войска ПВО Voyska PVO*



Russian Air Defense logs:  
Id "0": 3322, 4951.5, 7558.5 kHz  
Id "8": 4865.5, 5873 kHz  
Id "9": 4172, 6823.5, 8015 kHz  
Id ????: 6823.55 kHz

Messages:

=12906007501839	=99?1241?9?????	=11730926383941	=11726774532528
=11725774534828	=99?1228?9?????	=11726774539229	=11726774533630
=11725774539930	=21727901090904	=99?1231?9?????	=11726774533630
=41725????4?????	=11725774538432	=11726774534232	=21726901100418
=11727774533433	=11725704538933	=11731009536534	=21731901090824
=21727901090704	=41725????4?????	=11727774533335	=11731009536635
=41726????4?????	=17867001474136	=11729774032836	=27867901101011
=99?1237?9?????	=11729774034337	=21730901090806	=11730926383738
=111729774078938	=27867901100813	=20590501100813	=11730926383639
=99?1032?9?????			

**M22** *4XZ – Israeli Navy Haifa*



Heard on their usual frequencies 2680, 4331, 6379 kHz, and three unusual frequencies: 5000, 5446 and 8000 kHz.

Marco copied the station on 5466 kHz, 2105 UTC, 30-01:

"FIZPSB SMAEF KRPLH DZCFH OGNO CBRYD ZLUMIAUBBF XKON G HALKZ JTWNS  
GGRIQ GSOME TMPAC BGXFN YZPDA QIBDA == NR 693 PS V QXOL 9002T W3  
PK9T GR 52 == AR AR VVV DE 4XZ 4XZ == VVV DE 4XZ 4XZ == AR AR"

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## M31



5010 kHz, 0640 UTC, 04-01: FDI22 - French Air Force Narbonne.  
 "VVV VVV VVV DE FDI22 FDI22 FDI22 AR"

6798 kHz, 2130 UTC, 25-01: "CALORIE"; French Air Force.  
 "CECI EST UNE EMISSION DE CALORIE DESTINE AU REGLAGE DE VOTRE RECEPTEUR  
 LUNDI MARDI MERCREDI JEUDI VENDREDI SAMEDI DIMANCHE 301, 302, 303, 304, 305,  
 306, 307, 308, 309, JANVIER, FEVRIER, MARS, AVRIL, MAI, JUIN, JUILLET,  
 AOUT, SEPTEMBRE, OCTOBRE, NOVEMBRE, DECEMBRE".

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## M41

*Russian Air Defence Forces*  
Voyska Protivo Vozdushnoy Oborony  
Войска ПВО Voyska PVO



5774 kHz, 0716 UTC, 31-12-2010:  
 "... 7332717515 ABV 72259009517332817015 511590080016 ar".

5792 kHz, 0600 UTC, 22-01-2011: "8NNO 8NNO ... 8NNO ar"

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## M51



I included an item about M51 in last month's N&O. The article was written by Don Schimmel. He wrote additional notes which you can read here now. The article is copyrighted © by DXKing.com. Thanks for the follow-up, Don.

*"This is a follow-up to last month's article which outlined details regarding ENIGMA M51 Transmissions. I thought it might be interesting to see what was available concerning the various French Army Communications units and their respective locations. I visited Wikipedia (the free encyclopedia) on the Internet. Command and Signals Companies are as follows: 1st in Chalons-en-Champagne, 2nd in Illkirch-Graffenstaden, 3rd in Clermont-Ferrand, 6th in Nimes, 7th in Poitiers, 11th in Balma, and the 27th in Varces. An additional entry showed the 785CGE Electronic Warfare Centre as being located in Orleans."*

*The Signal Regiments are as follows: 6th at Douai, 8th at Suresnes (This unit was indicated as being responsible for Ministry of Defense and General Staff in Paris), 18th at Breteville sur Odon, 28th at Issoire, 40th at Thionville, 41st at Senlis, 42nd at Laval, 44th at Mutzig (This unit was indicated as a SIGINT Unit), 48th at Agen, 53rd at Lunéville,*

*and the 54th at Haguenau (This unit was indicated as being an Electronic Warfare Unit). The 43rd Signals Battalion is located at Orleans and was indicated as being for Army IT needs."*

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## M76

JPL reports M76 transmissions that he copied via GlobalTuners in the Slovak Republic. Sometimes the signals were poor and parts were unreadable:

Frequency: 3819 kHz. Times: 1750-1800 UTC.

06-01 In progress

07-01 N3RY DE 8G7W QTC 01. .2 = 26310 ..51 21..0 ..1763 92554 08651  
18317 .990 1120. 25838 56491 ...59 36217 2...1 71644 3.... .87...  
0089. RRRRR 202xx WWWWW 74352 97485 42749 5.515 8xxxx 77049  
84974 99505 91550 2.9169 13xxx NNNNN = 958 15 = 40505 79539  
39505 95.13 19400 92211 68428 19019 411... .35 51539 .51.9  
93335 54484 37xxx AR

10-01 SR3O DE PW.. QTC 0.0 31 =

11-01 AJCU DE UFU6 QTC 022 30 = (note: callsign AJCU the letters A and U were BARRED letters.

12-01 R6ES DE LVAH QTC 024 32 = 26310 15101 21080 31736 92553 02606  
18317 85980 11209 27638 56461 58341 36217 26061 71644 36361  
0089X RRRRR 202XX WWWWW 74151 17385 19737 53315 80XXX 77049  
8497 .98505 91550 19169 14XXX NNNNN = 958 15 = 40545 79539  
39505 95413 19400 92212 68428 19019 41199 93535 51539 85199  
93335 54484 37XXX (Small pause - then repeat for message) AR  
(note: for callsign LVAH the letter A was BARRED).

13-01 84YR DE 7D39 QTC 026 29 =

19-01 7R9N DE 66SC QTC 042 29 =

21-01 in progress

23-01 GABF DE BO6Q QTC 052 28 =

Note: The letter A in callsign GABF was BARRED.

25-01 Mostly unreadable

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## M89 – Chinese military



VVV Q2M Q2M Q2M DE NYZ NYZ	4860, 6840 kHz
V MB3R MB3R MB3R DE YA6X YA6X	4368, 6688 kHz
V QPZM QPZM QPZM DE WOXN WOXN	3327, 4523 kHz
V JA3L JA3L JA3L DE UN2T UN2T	4532 kHz
V 7NPE 7NPE 7NPE DE QV5B QV5B	4225, 5500, 8110 kHz
V DKG6 DKG6 DKG6 de 3A7D 3A7D	7602 kHz
V GKVZ GKVZ GKVZ DE Q7NW Q7NW *)	3297 kHz
V YAV8 YAV8 YAV8 de OTUV OTUV	7737 kHz

3297 kHz, 1745 UTC, 01-01: "cq cq cq 7925/9898/0300/117//09/8969 bt comm ar". Message was repeated 3 times, hand keyed. Beacon resumed at 1748 UTC.

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## M94



See V24.

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## VARIOUS MODES

### M42 & X06

*Russian Government / Intelligence*



6925.0	0646	31-12	LKDW: Russian Gov/Intel. Mode: CW. "bk bk QSA4 QSA? QRU? K", "SLV k", "bk bk QRV k" into F1B/RTTY/ITA2/50/500 5FGs with "50=" separator, end "0651 k" & OP-chat "CFM NIL K SK SK".
5440.0	0659	31-12	Russian Gov/Intel. Mode: RUS-ARQ 100/500.
6776.0	0327	03-01	Russian Gov/Intel. ("=50=" related) Mode: CW. "QSY 64296 QSY 64296 k"
6777.0	2030	06-01	Mazielka. Sequence: 161616. Strange transmission. See below.
13466.0	1325	08-01	Russian Gov/Intel. Mode: Baudot 50/500 5FGs; =50=, =100= separators & OP-chat.
14521.0	1328	08-01	Russian Gov/Intel. Mode: Baudot 200/500 Null msg
13510.0	1011	11-01	Mazielka. Sequence: 612534
11025.0	1017	11-01	Mazielka. Sequence: 612534
14970.0	0950	12-01	Mazielka. Sequence: 216354
14871.0	0951	12-01	Mazielka. Sequence: 156234
7635.0	0925	14-01	Russian Gov/Intel. Encrypted messages. Mode: RUS-ARQ 100/500
8192.5	1636	17-01	Russian Gov/Intel. Mode: CROWD-36
5225.0	0623	19-01	RVR39: Russian Gov/Intel. Mode: RUS-ARQ 100/500
5325.0	0631	19-01	RND79: Russian Gov/Intel, Moscow.

			Mode: RUS-ARQ 100/500
5440.0	0636	19-01	RND75: Russian Gov/Intel, Moscow.
			Mode: RUS-ARQ 100/500
3300.0	0556	20-01	Russian Gov/Intel. Mode: RUS-ARQ 100/500
3740.0	0559	20-01	RPD4: Russian Gov/Intel. Mode: RUS-ARQ 100/500
5325.0	0635	20-01	RND79: Russian Gov/Intel, Moscow. Mode: CW-FSK. "VVV RBW RBW RBW DE RND70 RND70 ZRC2"
7540.0	0708	20-01	ROK28: Russian Gov/Intel, Moscow.
			Mode: RUS-ARQ 100/500
6795.0	0714	20-01	RXZ32: Russian Gov/Intel, St. Peterburg
			Mode: RUS-ARQ 100/500
7630.0	0730	20-01	RDP5: Russian Gov/Intel, Kirov
			Mode: RUS-ARQ 100/500
6775.0	0722	21-01	Russian Gov/Intel. Mode: RUS-ARQ 100/500
6935.0	0738	21-01	RDH64: Russian Gov/Intel, St.Petersburg
			Mode: RUS-ARQ 100/500
6980.0	0741	21-01	Russian Gov/Intel. Mode: RUS-ARQ 100/500
7430.0	0801	21-01	RHT42: Russian Gov/Intel, St. Peterburg
			Mode: RUS-ARQ 100/500
7650.0	0811	21-01	Russian Gov/Intel. Mode: RUS-ARQ 100/500
8104.75	0825	21-01	Russian Gov/Intel. Mode: RUS-ARQ 100/500
9351.0	1453	24-01	Mazielka. Sequence: 216354
9076.0	1458	24-01	Mazielka. Sequence: 215346
10372.0	0948	24-01	Mazielka. Sequence: 431256
13961.0	1321	26-01	Mazielka. Sequence: 216354
9076.0	1343	26-01	Mazielka. Sequence: 215346
11411.0	0945	27-01	Mazielka. Sequence: 164532
6866.0	1620	28-01	NT9P: Russian Gov/Intel. 5FGs ending "1622 K". Into CW: CFM NIL K. QRX? OK QRX 72494. OK QRX 72494 K. AR". Mode: Baudot 50/500
6866.0	1622	28-01	NT9P: Russian Gov/Intel. Ops chat in CW. "____ de NT9P QSA3 Q__? QSY AS. RPT K. OK QSW 76690 QSW 76690 K"
10730.0	1230	31-01	Mazielka. Sequence: 123456

Mike posted the following re a strange mazielka log:

*"Just now (2030 UTC, 06 Jan.) I landed on 6777 kHz and heard what sounded like a two tone X06 (161616), it soon stopped and I hardly had time to get the recorder running. The signal here in Sussex UK was S9 and AM mode. As soon as it dropped in the background I could hear another two tone but this time very low, bit like XPL.*

*Here is a link to the hurried recording:*

[www.mikeandsniffy.co.uk/Tmp/odd6777kHz20.30\\_6.11.mp3](http://www.mikeandsniffy.co.uk/Tmp/odd6777kHz20.30_6.11.mp3)

*Ignore the high pips which are from my radio when I was checking mode etc. The low tones are still on going now and there has been a carrier and test tones up as well."*

OLO32

*Bezpečnostní informační služba  
Security Information Service*



Logs:

6946.36 kHz, 0949 UTC, 09-01  
6835.36 kHz, 2118 UTC, 14-01  
7746.36 kHz, 2112 UTC, 17-01

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MILITARY STATIONS

M32      *Russian/CIS/Ukrainian  
Military SSB & CW Stations*



2706.0 Russian Mil: "9FNG de AOJJ QTC ZDG K. AOJJ 463 27 15 0308 463 = ZDG 463 = PPPPP ÜVSJH AchEHJ ... ATAW\_ 918 AR". 3ULW also sending messages on this freq.

3174.0 CIS Mil: QEOM comms check with 302X, CUSQ, ZVDE, 2NJ4.

3348.0 Ukrainian? Mill "BXBO 023 52 25 0030 023 = 655 = AAAAA LADOR EFTXU ... UQMUD BDKDK K"

3785.0 Russian Navy: Unid station clg UGU23 and UGU27.

3799.5 Russian Navy: "RCP RCP DE RJD56 QTC 51 7 162 31 1602 58 = PROGNOZ POGODY".

3813.0 Russian Mil: "IRTW IRTW IRTW QTC 541 31 60100 541 = 15 = 502" 4573 6456 6134 2611

3826.0 Russian Mil: 7QDF (NCS) wkg KYO9, W47N etc. "KYO9 de 7QDF k"

4039.0 Russian Navy: "RLO de RIT QTC 829 34 29 0057 829 = RADIO PROGNOZ \_09011 03903 31100 ..."

4454.0 Russian Mil: "... YRHJG ÜOLJF UFKIZSMB DJAAD ..."

4944.0 Russian Naval Air Transport

5129.0 CIS Mil: 5F message then "RBIZ QRU"

5066.0 Russian Navy: RCV wkg RFI35, RGZ58, RHQ33, RZH33.

5224.0 Russian Navy: RCV. Russian weather.

5255.0 CIS Mil: "ZPS = GAUU GAUU k ZDP = IPFVSh (5LGs) = ZPS = FRGN  
FRGN k ZDP = (5LGs) == as"

5276.0 Russian Mil: "LNGY DE ALLN QTC 25 19 2135 050 = 236 ="

5736.0 CIS Mil: 6Q9J radio checks with 6JA4, IBXK, K5LY and CVDX.

5282.5 Russian Mil: "CU8U CU8U CU8U de OX1A OX1A QBE QYT1 = CU8U CU8U  
CU8U de OX1A OX1A QBE QYT1 ar"

5376.0 Russian Mil: "PN4E de BKKW K". "AU7L DE 5ZEC QTC 07 17 2102 415  
= ZXP EH41 ="

5397.0 Russian Mil: Q3ZC wkg VQPR, ELD6, SCLO, PRWE, AM7V, DBCO.  
BNB4 wkg VQPR.

5425.0 CIS Mil: "68229 Ya 24125 k,"18647 Ya 53915 kk", "rpt 1 Ya"  
Ya in morse .-.-

5736.0 Russian Mil: D1O6 (NCS) wkg ZPD4, CNTM, X5SU, SC8N, 9BWT, KTDP,  
LAGZ etc. "xxxx de D1O6 k"

5881.0 Russian Navy: RMP clg RCB. "RCB de RMP QYT1 ar"  
RMP clg RHN85 "QRR3 QDW 4275"

6220.0 Russian Mil: S6E4 (NCS) wkg ZOIZ "QTC 873 29 15 1706 873 = 661  
= POZOT XGUEJ YaGGVZ ... ZPGCL LVYuYuSh YaTPWY 213 = (msg  
repeat) ar". 15Jan10; 1450z QTC to GGC "S6E4 161 17 16  
1704 161 = ZXf 112 = ShJBYuD ONUPN ... WSTshShZ YaYPYae 863 k";  
Also wkg XMWO "S6E4 974 23 16 1650 974 = 112 = FYEHYU IFCFV  
... AGDEL YaYPWP 863 rpt al k"; S6E4 wkg GW4H, GGC, Q35H  
"S6E4 557 16 16 1904 557 = 112 = UTshHQB NKOSD ... JVJKDC  
YaYPYae 863 rpt al k"

6753.0 Russian Mil: RFFN wkg RFFR, RFFO etc. for radio checks.

6883.0 Russian Mil: "RGT77 RGT77 758 = YuVNYuF YaPYuKZ OWYPC NOTshTshB  
RSTSJ TshTshQQT TshYaHRP WDTGC \_\_\_\_\_ NYAITY LKNQTsh YaEPYya =  
k"; YaEPYya=13011.

6922.0 Russian Mil: T2NP clg KVZT, Y1SO, 8IBM, KONA.

6983.0 Russian Mil: 2WJJ clg AUEA. "AUEA de 2WJJ QTC k"; "2WJJ 164 36  
2 1700 164 = 858 = PPPPP MMMMM YGOCH BTMYZ YGOCH BTMYZ YGOCH  
BTMYZ MYaBHY OJTshHJ ... YuEDFJ SDIXYu PWPEE 689 k"

6988.0 Russian Mil: LSKX. Msg for NCS-O1KI on 7969 kHz: "LSKX 842  
102 22 1705 842 = ZMW 444 = AAAAA GNNKU WAÖCJ ..."

7015.0 Russian Mil:  
"XXX RLO PODAROK 01 1340 1326 K"  
"XXX RLO PODAROK 011040 080 090 1350"  
"XXX RLO PODAROK 011010 140 315 1455"  
"RLO de RIT QTC 667 34 9 1257 667="

"XXX RLO PODAROK 01 1040 090 1350 K"

Russian Mil: RIT "RADIOPROGNOZ 5F AR"

7018.0 REA4: Russian Strategic Air  
 "REA4= 05160 20173 etc 5F= REA4 K"  
 "REA4= 08160 23746 etc 5F"  
 "XXX REA4 29681 skorpion 2421 3841 K"  
 "REA4 30140 20069 etc 5F= REA4 K"

7056.0 Russian Mil: "XXX 8SIQ 18726 SERPIA 1281 8443 K"  
 Russian Mil: FUNL, WEZ6, K5KQ, LKZ7, LEZ3, WQYB, WNNM,  
 9VK9, IGCH.

7523.0 Russian Mil. "XXX XXX LR43 LR43 TEHNITshESKAYaA PROWERKA  
 540 k"; followed by "RMW32 ZSA3 rk" & "RMW46 R XXX ZSA3 k",  
 "RKW36 de RMW32 ZSA3 ZSA? K"  
 See also Trond's comments below.

7566.0 Russian Navy: RCV. Russian weather.

7789.0 Russian Mil: LWKI wkg AYHV "ZVC ZQP ZBO QYT9 k" &  
 "8L8V 8L8V 8L8V ZWG ZMT ZOV k".

7861.0 Russian Mil: RAL2 radio check with RHW2 and RDU2.

7931.0 Russian Mil: "QBA8 QBA8 QBA8 DE H7OA H7OA R164 K"

7967.0 Russian Mil: S34T clg PSJH "QTC ZQQ k".

7969.0 Russian Mil: O1KI wkg LSKX, LMCD on 6988 kHz.

9044.0 Russian High Command, strategic flash message "xxx xxx reu reu  
 86662 59850 trojöatka 3805 6005 k"  
 "xxx xxx oeun oeun 97222 50130 prozor 7046 5487 k"

11155.0 Russian navy: "xxx xxx rlo rlo 05656 gipsobeton 6400 1696 k"

11468.0 Russian Mil: "RDL RDL = ... 5129 30696 15129 30696 15129 K."

11470.0 REA4: Russian Strategic Air Bcast //13590 kHz

13590.0 REA4: Russian Strategic Air Bcast //11470 kHz

Trond's comments re 7523 kHz:

*"I have tracked this strange net for a long time.*

*The LR43 addressee is a collective addressee for these players;  
 RMW22, RMW32 (NCS), RMW36, RMW44, RMW46, RMW56, RMW58, RMD98, RMD99  
 (and probably RKP56) there are also some indices that at least two  
 more players are members of this net, but they are not audible in  
 western Europa.*

*There are two versions of these technical check flash messages:  
 "TEHNIÖESKAÄ PROWERKA" = TECHNICAL CHECK and a short form:  
 "TEHPOWERKA" = TECH. CHECK*

*Both are frequently heard. 3 to 5 stations are usually active at the*

*same time besides de NTC (Net Control Station).*

*The net is using the following frequencies: (with examples of observed traffic)*

3700.0 RMD98, flash msgs, not using the LR43 collective addressee, but addressed as follows; "XXX XXX RMD98 RMD98 TEHNITÖESKAÄ PROWERKA 795".  
5830.0 RMW32, calling / wkg RMW36, LR43 addressed flash messages.  
6491.0 RMW32 wkg unid in A1A at 0655utc  
6836.0 RMW32, calling / wkg RMW56.  
6860.0 RMD99, flash msgs, not using the LR43 collective addressee, but addressed as; "XXX XXX RMD99 RMD99 TEHNITÖESKAÄ PROWERKA 795".  
7060.0 RMW32 calling RMW48  
7080.0 RMW32 calling / wkg RMW58  
7149.0 RMW32 calling / wkg unid / (RKP56 ?)  
7523.0 RMW32 calling / wkg RMW34, RMW36  
7815.0 RMW32 calling / wkg RMW22, RMW36, RMW44, RMW46, and other net members with LR43 addressed flash messages  
8136.0 RMW32 wkg duplex with RMW36, LR43 addressed flash messages. ITU suggests location for RMW32 in area of 55 25N 35 12E.  
10102.3 RMW32 calling / wkg RMW56. RMW32 strong here. Heard with (S9+20dB) in central Europe, RMW56 not heard.

*Feedback from other UDXF members regarding this net is very welcome."*

---

## UTILITY ROUND-UP

### Polish Pip



The Polish pip is a daily guest on 1812 kHz.

---

### Unid station MWKJ

MWKJ showed up on its usual frequency 3343 kHz. Daily schedules.

Exact DFs are very welcome!

---

### Unid stations

3956 kHz, 1850 UTC, 01-01. Mode: CW. Q7JN: transmits from 53-03 min and 23-33 min each hour. (logged by Attu Bosch)

Notes: Q7JN was only active for two months in 2005 (Feb, Mar) using 3265 kHz. L6YC, which we mentioned in N&O 159, is no longer active on 3207 and 3860 kHz.

4000 kHz, 1945 UTC, 01-01. Mode: SSB. OA2C wkg OTMI. Simplex net, English.  
(logged by Attu Bosch)

---

### Unid Vietnamese(?) station

Eddy Waters (Australia) copied an interesting station on 10205 kHz at ca. 1245 UTC on 4-1. The morse station transmitted 5-letter groups and a plain text message in Vietnamese at the end. Part of the text is as follows: "CONG DIEM MAT GUI CAC ANH YEU CAU CHINH MAY CHU Y THU DIEN TOT". A long transcript can be found in the sound section on the N&O website (unid 10205 kHz).

Who can identify this station?

---

### Unid Indonesian net

Active as ever on 14277.7 kHz. Voice messages, both male and female operators. Still no idea who they are. Messages are reportedly coded weather. Can anyone help to identify this net?

---

### Unid story teller stations

An strange log reached us via Jack. He reports an unid voice station on 8186.5 kHz. A female operator was reading romance novel passages ending with "over" then after a one minute wait, reading another.

Jack also logged a similar operation by a male "reader" on 7695.0 kHz USB on December 13, 2010 at 1700 UTC with USA Today stories.

If you can identify these stations, please mail me.

---

### MFA Cairo



MFA (Ministry of Foreign Affairs) in Cairo has been quite active during the hectic last days of January and the first days of February. The MFA has daily schedules to embassies around the world. It transmits in ARQ (SITOR-A).

We received various logs. I will not mention all of them but made a short selection.

9078.7 kHz, 2135 UTC, 29-1: Very long messages to unid in plain language.

9078.7 kHz, 1840 UTC, 29-1: MFA Cairo msg to Washington

FROM : 71  
TO : WASHINGTON  
TIME @ @ DATE53: 16:53, SATURDAY, JANUARY 6 29, 2011  
NUMBER OF GROUPSUPS: 126  
URGENT  
=====

002AA 07703 00441 41 41 482CD 9CC85 85 CCADAADA B7712 297D0\$0 080C8  
0ED4E 8B010 100D1 385B6 E0482 CE3EA 7DFAB 251EB FA%-1EQED 6FA5-5-51  
C631A 8EBF6 047D1 1 5CFA6 91D1C 64B90 3749B D1636 CA093 6BBAF 2A172  
D6F4C D99D32 16357 CF0APA9 6BDEF D5ETE44F 1AQAA13 C0305 21C3F F4415  
6AD40 5FA06 FB781 6656E 1CQCA8-88 B1?1D0D 50EA8 2481A 4CE33 BA4BA  
FE57579 0 A8-8450 BF0EB 2244F F F01AQAE 827B3 42A15 1E6C7 8F5C9  
98EBE 9191485 16A93 93 F8A23 FFD%\$90 D8D58 DF4F3 98A65 94116 A5A7-7A  
6F49A EA33E 3034CRC 9F4DA 78CBC B5341 Q A3-3A4B A -2195 A750F 5C0BF  
7FD2C 45B8C F608D 167D9 0D226 98D3E 71549 3458DID 4B5F6 C448D D1B74  
52547 5FC22 EA159 30CD:\$2 B8?8531 AC9:9:9AA4 B8?8D1B A08AC 3E622 22  
10DD6

Wolfgang found this one on 30-1 between 2125 and 2147 UTC:

7778.7 kHz, MFA Cairo QSY to 10222/10223.7 kHz. Selcall "IPTX" (Havana, Cuba)

10223.7 kHz, MFA Cairo. Selcall "IPTX" (Havana, Cuba). QSY to 10334.7 kHz.

10334.7 kHz, MFA Cairo. Selcall "IPTX" (Havana, Cuba)

9106.7 kHz, MFA Cairo. Selcall "IPTX" (Havana, Cuba)

9046.7 kHz, MFA Cairo. Selcall "IPTX" (Havana, Cuba)

... then Wolfgang lost him.

---

### Unid Czech military?

Unid Czech military?

Mode: USB.

Female voice in Czech transmitting messages (trackings?)

Any additional info is most welcome!

5580 kHz, 0520 UTC, 13-01

5580 kHz, 1615 UTC, 15-01

(copied by ALF)

---

## Driftnet buoy radio beacons

Heard in Australia and  
in the U.S.A

Freq.    Callsign

1717.0	DR904
1730.0	WC82
1731.0	KW212
1758.0	4KCW
1801.0	2AHAE
1803.0	4PQE
1804.0	2AFMN
1804.0	2AHAF
1804.0	4BHI
1805.0	4QXJ
1805.0	VZ6
1806.0	2AFQR
1806.0	ND5
1810.0	3IMB
1812.0	2AFOP
1815.0	R10
1820.0	H6
1825.0	2ABXY
1825.0	2AHAM
1825.0	2AHAM
1831.0	PF6
1835.0	AUE
1841.0	2ADMN
1845.0	EP2
1846.0	LE9
1850.0	LA2
1851.0	LV9
1860.0	NM0
1862.0	2ADKL
1865.0	DK4
1865.0	GEO
1865.0	MB8
1873.0	MP02
1915.0	4KJI
1924.0	4QFE
1924.0	TC88
1925.0	4KDP

Freq.    Callsign

1927.0	4OOU
1936.0	ACJ6
1936.0	EW52
1936.0	KO64
1937.0	4QGL
1965.5	CH5
1967.0	RD23
1974.0	4MRU
1984.0	4KSC
2311.0	4OEY



TAIYO MUSEN selcall radio buoy and selcall transmitter



TAIYO MUSEN digital GPS radio buoy

Steve sent me a copy of an historic article about numbers transmissions. The article was originally published in the February, 1923 edition of Radio News. The magazine is long gone and I don't know if there is still copyright on the article. If you are the copyright owner of this article and don't agree with me using it in this newsletter, please let me know.

CIRCULATION OF THIS ISSUE OVER 225,000 COPIES

# RADIO NEWS

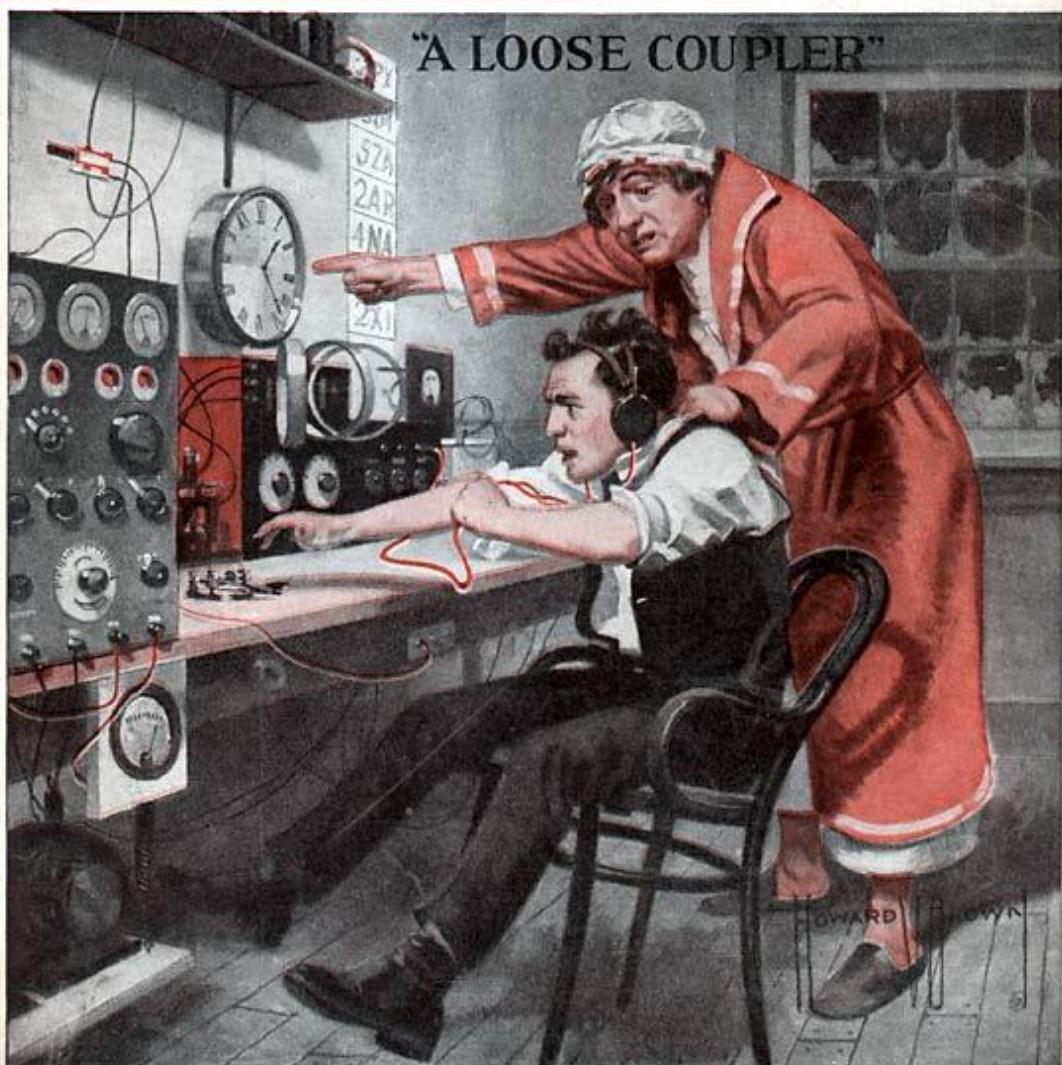
REG. U.S. PAT-OFF.

25 Cents  
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1923

Over 175 Illustrations

Edited by H. GERNSBACK

"A LOOSE COUPLER"

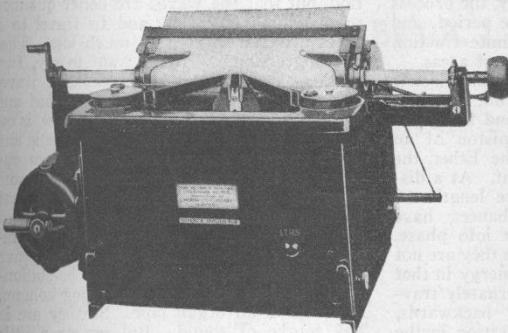


THE 100% WIRELESS MAGAZINE

CIRCULATION LARGER THAN ANY OTHER PUBLICATION

# **Secrecy In Radio Communication**

By J. O. CARR



**Left:** The Teletype Receiver Which Automatically Prints the Incoming Messages.  
**Right:** A View of the Actuating Mechanism and Keyboard of the Teletype Transmitter.



**R**ADIO communication is at a disadvantage compared with land line or cable communication. Anyone with a simple receiving set tuned to the proper wave-length can listen in on the most important radio message. While it is against the law to divulge the contents of any message picked up in this manner, still it is not against the law to think, and who can say that the person obtaining knowledge of some important communication will not be influenced by that knowledge if it affects his interests?

This applies particularly to press matter. Press matter is the most perishable commodity there is. A big story is worth thousands of dollars now, and in an hour it has valueless, for it has been published and has become public property. Millions of dollars per year are expended by the various newspapers and press associations to gather news, and unless the agency that gathers the news can maintain its secrecy until delivered to its clients, much of this expenditure is wasted.

Of course, the matter to be transmitted can be enciphered and then deciphered at the receiving station, but this means a considerable loss of time and the time element is vital in the transmission of news.

The better way to render radio communication secret is to use automatic transmitting apparatus which utilizes a code that cannot be read by ear and at the receiving station automatic receiving apparatus which will translate these code impulses into type-written characters.

We have recently read in the newspapers and radio publications of the work which the Navy Department has done in securing typewritten communication between a moving airplane and the earth. It was stated that successful operation was secured and the typewritten characters were clearly printed at the base station, while the plane was traveling at a high rate of speed many miles away.

The instrument used in the tests of the



As Shown Above, Each Letter or Sign Has the Same Time Duration and is Distinguished by Means of a Combination

ing a radio signal or impulse for one or more of the intervals and leaving the others blank. For instance, in the case of letter "A," a radio signal is transmitted during the first two intervals and the last three are left blank. In the case of the letter "R," no signal is transmitted during the first, third or fifth intervals though a signal is transmitted during the second and fourth. The blank intervals serve merely to space or locate the signaling intervals. It should be borne in mind that when signals are transmitted for two or more successive intervals there is no break between the intervals. For this reason it is impossible to read the signals by ear as the sounds heard in the receiver are of such varying durations and so unequally spaced. In addition to this feature, the signals of successive letters are joined together.

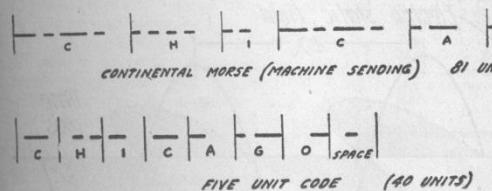
It can be seen by referring to the code diagram just how difficult it would be to read the letter signals by sound. For instance, for the letter "A" the sound would persist for two intervals, the first and the second, while for the letter "U" the sound

would persist for the first, second and third intervals, and for the letter "K" there would be a sound during the first, second, third and fourth intervals. It can be readily understood how difficult it would be to distinguish between these dashes which differ only slightly in length.

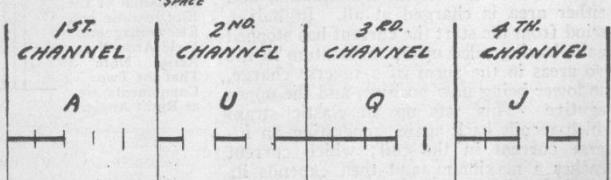
While it is true that for a single transmission system using five-unit code, a start interval and a rest interval are added which may assist in deciphering the code when it is printed in dots and dashes of varying lengths on a paper tape, when multiple transmission is employed no such aid exists and the problem is rendered much more difficult.

In multiple Teletype operation, the radio transmitting apparatus is controlled by two or more automatic transmitters. Assuming that there are four automatic transmitters, number one will transmit a letter, then number two, followed by numbers three and four, and then number one again, etc. These transmissions take place in close succession so that in case the last interval of number

(Continued on page 1540)



Above: Time Comparison of Continental and Five-Unit Code for the Word "Chicago." Right: Four Channel Multiple Transmission System.



## Secrecy In Radio Communication

(Continued from page 1445)

one transmission is a sound interval and the first interval of number two is a sound interval, the two will be joined together. It is obvious that under such conditions, the signals in a telephone receiver are a hopeless jumble.

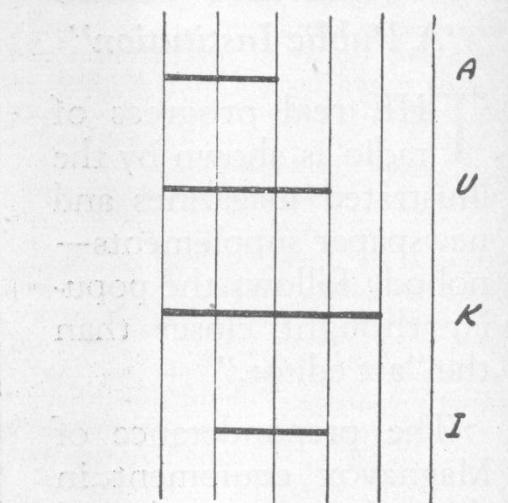
Of course, the receiving apparatus which operates in connection with this multiple transmission is so arranged that the signals are separated and the signals from each transmission are typed on a separate machine.

In addition to secrecy, the use of the five unit code in this manner also effects a considerable transmission economy. At the same transmitting frequency, the five unit code will transmit eight words in the same length of time required to transmit five words by Morse code.

It is well known that when the speed of radio transmission is increased, the transmitted wave becomes quite broad, which, of course, is objectionable. With the Teletype

*Radio News for February, 1923*

the same number of words per minute can be transmitted with the signaling frequency only  $\frac{5}{8}$  of the value necessary with Morse



COMPARISON OF LETTERS  
A, U, K & I FIVE UNIT CODE

transmission, or with the same signaling frequency, a proportionately greater output can be secured.

While the speed of the receiving typewriter is limited to about 45 words per minute, in the case of the tape typewriter, and 65 in the case of the page typewriter, with the multiple system, two or more receiving machines are operated from the same receiving apparatus and these machines are controlled from the same transmitting station on the same wave-length. This makes it possible to operate at the highest speed at which it is possible to secure good transmission. Each receiving machine types at a moderate speed which makes it possible to read the message as it is being received while the total output of the group of machines will be very high.

To further increase the secrecy of the transmission, the code combinations can be "scrambled." That is, the signaling intervals of the letter combination can be transposed. This is accomplished by very simple means and can be done quickly. In order that the receiving typewriter "unscramble" the combinations, it is only necessary to make a corresponding change at the receiving station. By this means, a multitude of variations can be produced and predetermined changes could be made several times per day if desired.

Successful Teletype transmission and reception has been carried on for distances as great as 800 miles. Of course, there is no more limitation of distance when using the Teletype than by any other method of radio telegraph operation except that a highly trained Morse operator may read signals which are too faint to operate the automatic apparatus.

The radio transmitting apparatus is controlled by a keyboard which resembles that of an ordinary typewriter. Two methods of control are employed. In the first method when a keyboard key is struck, the radio signal corresponding to the letter is immediately transmitted. In the second method, the operation of the keyboard perforates the code combinations in a paper tape which is run through another instrument which in turn, controls the radio transmitter. The second method is employed where there is a large volume of business and higher efficiency is desired.

The use of the Teletype with its five unit code will help materially to remove some of the serious limitations of the present radio telegraph and put it on an equal footing with the land line telegraph and the cable as regards secrecy. This should make it available to agencies which now hesitate to use radio because it is not secret.

## LOGS SECTION

2405	M01b	Mode: CW Date/time: 21-1-2011, 2110 UTC 610 549 32 31710 //3180 kHz Contr: (FN)
2427	M01b	Mode: CW Date/time: 10-1-2011, 2015 UTC 375 549 32 == 31710 2427//3205 kHz Contr: (FN)
2435	M01b	Mode: CW Date/time: 10-1-2011, 1910 UTC 853 549 32 == 31710 2435//3520 kHz Contr: (FN)
2466	M01b	Mode: CW Date/time: 6-1-2011, 1932 UTC 910 549 32 == txt 2466//3545 kHz Contr: (FN)
2485	M01b	Mode: AM Date/time: 20-1-2011, 2042 UTC 382 549 32 == 11710 //3160 kHz Contr: (FN)
2653	M01b	Mode: CW Date/time: 7-1-2011, 2002 UTC

		866 549 32 == 31710 2653//3197 kHz Contr: (FN)
2680	M22	Mode: CW Date/time: 11-1-2011, 1939 UTC
		4XZ: Israeli Navy Haifa Contr: (norave)
2680	M22	Mode: CW Date/time: 14-1-2011, 2150 UTC
		4XZ: Israeli Navy Haifa "VVV DE 4XZ" Contr: (VL)
2680	M22	Mode: CW Date/time: 19-1-2011, 2216 UTC
		4XZ: Israeli Navy Haifa. "VVV DE 4XZ" Contr: (BCI)
3069	M51	Mode: CW Date/time: 19-1-2011, 1749 UTC
		French mil morse net. 5FGs Contr: (BvR)
3069	M51	Mode: CW Date/time: 20-1-2011, 0556 UTC
		FAV22 - Narbonne Contr: (BCI)
3070.5	M51	Mode: CW Date/time: 18-1-2011, 1900 UTC
		French mil morse net. 5FGs Contr: (BvR)
3070.5	M51	Mode: CW Date/time: 25-1-2011, 1616 UTC
		NR 68 J 25 17:15:38 1983 = XWAIN TSFWJ...
		Contr: (MPJ)
3150.0	E10	Mode: USB Date/time: Mon 10-1-2011, 0300 UTC
		PCD Groups 6 Contr: (Ewok-IT)
3150.0	E10	Mode: AM Date/time: Fri 14-1-2011, 0003 UTC
		PCD Contr: (why-DE)
3150.0	E10	Mode: USB Date/time: Sun 23-1-2011, 0400
		Callsign PCD Grp Ct 98 First Grp IKKGD
		Contr: (Ewok-UK)
3160	M01b	Mode: AM Date/time: 20-1-2011, 2042 UTC
		382 549 32 == 11710 //2485 kHz Contr: (FN)
3180	M01b	Mode: CW Date/time: 21-1-2011, 2110 UTC
		610 549 32 31710 //2405 kHz Contr: (FN)
3192	S06	Mode: AM Date/time: Mon 3-1-2011, 1900 UTC
		349:0 Contr: (HFD)
3197	M01b	Mode: CW Date/time: 7-1-2011, 2002 UTC
		866 549 32 == 31710 2653//3197 kHz Contr: (FN)
3205	M01b	Mode: CW Date/time: 10-1-2011, 2015 UTC
		375 549 32 == 31710 2427//3205 kHz Contr: (FN)
3297	M89	Mode: CW Date/time: 1-1-2011, 1748 UTC
		cq cq cq 7925/9898/0300/117//09/8969 bt comm
		ar (3x) V GKVZ GKVZ GKVZ DE Q7NW Q7NW
		Contr: (AtB)
3297	M89	Mode: CW Date/time: 9-1-2011, 2033 UTC
		V GKVZ (x3) DE Q7NW (x2) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 11-1-2011, 1737 UTC
		V GKVZ (x3) DE Q7NW (x2) (Cont'd) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 11-1-2011, 2014 UTC
		V GKVZ (x3) DE Q7NW (x2) (Cont'd) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 14-1-2011, 1217 UTC
		V GKVZ (x3) DE Q7NW (x2) (Cont'd) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 16-1-2011, 1926 UTC
		V GKVZ (x3) DE Q7NW (x2) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 19-1-2011, 1806 UTC
		V GKVZ (x3) DE Q7NW (x2) (Cont'd) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 27-1-2011, 2000 UTC
		V GKVZ (x3) DE Q7NW (x2) (Cont'd) Contr: (JPL-HK)
3297	M89	Mode: CW Date/time: 28-1-2011, 1804 UTC
		V GKVZ (x3) DE Q7NW (x2) (Cont'd) Contr: (JPL-HK)
3300	M42	Mode: RUS-ARQ 100/500 Date/time: 20-1-2011,
		Russian Gov/Intel. Contr: (BCI)
3322	M21	Mode: CW Date/time: 8-1-2011, 2025 UTC
		PVO. Id 0 Contr: (FN)

3322	M21	Mode: CW Date/time: 11-1-2011, 1842 UTC PVO Contr: (norave)
3323	S21	Mode: USB Date/time: 30-12-2010, 1843 UTC 727 then 323 - 812/34 47732 40129 25684 66272 lost.... Contr: (MUK)
3323	S21	Mode: USB Date/time: 11-1-2011, 1843 UTC 323 923/33 Contr: (MUK)
3327	M89	Mode: CW Date/time: 19-1-2011, 1802 UTC V QPZM (x3) DE WOXN (x2) (Cont'd) //4523 kHz Contr: (JPL-HK)
3327	M89	Mode: CW Date/time: 27-1-2011, 1955 UTC V QPZM (x3) DE WOXN (x2) (Cont'd) //4523 kHz Contr: (JPL-HK)
3343	---	Mode: CW Date/time: 11-1-2011, 1950 UTC Unid MWKJ (R10) Contr: (JPL-HK)
3343	---	Mode: CW Date/time: 14-1-2011, 1225 UTC MWKJ Contr: (JPL-HK)
3343	---	Mode: CW Date/time: 28-1-2011, 1820 UTC Unid MWKJ (R10) Contr: (JPL-HK)
3343	---	Mode: CW Date/time: 28-1-2011, 1850 UTC Unid MWKJ (R10) Contr: (JPL-HK)
3415.0	E10	Mode: USB Date/time: Mon 31-1-2011, 0017 UTC ID: ART; Groups: 60; First group: AOUOH Contr: (why-IT)
3520	M01b	Mode: CW Date/time: 10-1-2011, 1910 UTC 853 549 32 == 31710 2435//3520 kHz Contr: (FN)
3525	M45	Mode: AM Date/time: 20-1-2011, 1802 UTC 525 423 33 == 44348 //4025 kHz Contr: (FN)
3540	S06	Mode: AM Date/time: Wed 12-1-2011, 1800 UTC 471:0 Contr: (HFD)
3540	S06	Mode: AM Date/time: 12-1-2011, 1800 UTC 471 00000 Contr: (FN)
3540	S06	Mode: AM Date/time: Wed 19-1-2011, 1800 UTC 471:0 Contr: (HFD)
3545	M01b	Mode: CW Date/time: 6-1-2011, 1932 UTC 910 549 32 == txt 2466//3545 kHz Contr: (FN)
3593.7	MX	Mode: CW Date/time: 6-1-2011, 2232 UTC Beacon "D" Contr: (BCI)
3593.8	MX	Mode: CW Date/time: 6-1-2011, 2232 UTC Beacon "P" Contr: (BCI)
3593.9	MX	Mode: CW Date/time: 6-1-2011, 2232 UTC Beacon "S" Contr: (BCI)
3740	M42	Mode: RUS-ARQ 100/500 Date/time: 20-1-2011, RPD4: Russian Gov/Intel. Contr: (BCI)
3755.37	S30	Mode: CW Date/time: 24-1-2011, 2226 UTC 1-second pips. Contr: (MPJ)
3756	S30	Mode: CW Date/time: 11-1-2011, 2006 UTC Pip Contr: (norave)
3756	S30	Mode: CW Date/time: 24-1-2011, 2236 UTC pip Contr: (AB)
3756.0	S30	Mode: AM Date/time: Sat 8-1-2011, 2331 UTC Distorted male voice. Contr: (Danix)
3819	M76	Mode: CW Date/time: 6-1-2011, 1758 UTC in progress Contr: (JPL-SVK)
3819	M76	Mode: CW Date/time: 7-1-2011, 1751 UTC N3RY DE 8G7W QTC 01. .2 = etc Contr: (JPL-SVK)
3819	M76	Mode: CW Date/time: 10-1-2011, 1750 UTC

		SR3O DE PW.. QTC 0.0 31 = Contr: (JPL-SVK)
3819	M76	Mode: CW Date/time: 11-1-2011, 1750 UTC
		AJCU DE UFU6 QTC 022 30 = Contr: (JPL-SVK)
3819	M76	Mode: CW Date/time: 12-1-2011, 1750 UTC
		R6ES DE LVAH QTC 024 32 = followed by 5FGs
		Contr: (JPL-SVK)
3819	M76	Mode: CW Date/time: 13-1-2011, 1752 UTC
		84YR DE 7D39 QTC 026 29 = Contr: (JPL-SVK)
3819	M76	Mode: CW Date/time: 19-1-2011, 1750 UTC
		7R9N DE 66SC QTC 042 29 = Contr: (JPL-SVK)
3819	M76	Mode: CW Date/time: 21-1-2011, 1750 UTC
		Unreadable Contr: (JPL-SVK)
3819	M76	Mode: CW Date/time: 23-1-2011, 1750 UTC
		GABF DE BO6Q QTC 052 28 = Note: The letter A in callsign GABF was BARRED. Contr: (JPL-SVK)
3819	M76	Mode: CW Date/time: 25-1-2011, 1750 UTC
		Mostly unreadable Contr: (JPL-SVK)
3828.0	S32	Mode: USB Date/time: Mon 31-1-2011, 2051 UTC
		Really strong squeaking! Contr: (Danix)
3828.9	S32	Mode: USB Date/time: 24-1-2011, 2236 UTC
		squeaky wheel Contr: (AB)
3838	S06	Mode: AM Date/time: 10-1-2011, 1905 UTC
		349 00000 Contr: (MUK)
3838	S06	Mode: AM Date/time: Mon 17-1-2011, 1905 UTC
		349:0 Contr: (HFD)
3838	S06	Mode: AM Date/time: 17-1-2011, 1905 UTC
		349 00000 Contr: (HS2)
3838	S06	Mode: AM Date/time: 24-1-2011, 1905 UTC
		349 349 349 00000 Contr: (FN)
3838.0	S06	Mode: AM Date/time: Mon 24-1-2011, 1900 UTC
		349 349 349 00000 Contr: (Danix)
3838.0	S06	Mode: AM Date/time: Thu 27-1-2011, 1905 UTC
		349 349 349 00000 Contr: (Danix)
3840.0	E10	Mode: AM Date/time: Sat 1-1-2011, 0130 UTC
		YHF Groups: 94 (extremely long) First Grp:TKQOR Contr: (Ewok-IT)
3840.0	E10	Mode: USB Date/time: Sat 1-1-2011, 1630 UTC
		Callsign YHF extremely weak/barely readable with QRN from adjacent SSB bdcst Contr: (Ewok-IT)
3840.0	E10	Mode: USB Date/time: Sun 2-1-2011, 0230 UTC
		Callsign YHF 23 alpha groups RS 4x3 some QRN Contr: (Ewok-IT)
3840.0	E10	Mode: USB Date/time: Sun 9-1-2011, 1630 UTC
		Callsign YHF Very weak with heavy 80m Ham QRN Contr: (Ewok-IT)
3840.0	E10	Mode: USB Date/time: Mon 17-1-2011, 0130 UTC
		Callsign YHF Grp Ct 94 First Grp TKQOR Medium sig very readable Contr: (Ewok-IT)
3840.0	E10	Mode: USB Date/time: Sun 23-1-2011, 0200
		Callsign ART (Freq change from 5435 kHz) Grp Ct 85 First Grp SAYCF Contr: (Ewok-UK)
3840.0	E10	Mode: USB Date/time: Tue 25-1-2011, 0230
		Callsign YHF Grp Ct 23 First Grp RPLRN (Repeat of 18 and 21 JAN msg on 4560 kHz Contr: (Ewok-UK)
3840.0	E10	Mode: USB Date/time: Mon 31-1-2011, 0230 UTC
		Callsign YHF Grp Ct 23 First Grp RPLRN Contr:
4025	M45	Mode: AM Date/time: 20-1-2011, 1802 UTC

		525 423 33 == 44348 //3525 kHz Contr: (FN)
4028.0	V02a	Mode: AM Date/time: Fri 21-1-2011, 0100 UTC 38161 56162 07272 Contr: (BS3)
4028.0	V02a	Mode: AM Date/time: Fri 21-1-2011, 0117 UTC Spanish Numbers Contr: (Man)
4028.0	V02a	Mode: AM Date/time: Fri 28-1-2011, 0100 UTC TFC weak Contr: (BS3)
4028.0	V02a	Mode: AM Date/time: Fri 28-1-2011, 0200 UTC 02031 46702 44482 on wrong freq should be on 5417k Contr: (BS3)
4034.0	V02a	Mode: AM Date/time: Mon 31-1-2011, 0430 UTC Spanish Female Contr: (Man)
4035.0	V02a	Mode: AM Date/time: Mon 24-1-2011, 0400 UTC SSYL atencion: 71422 77721 87431 Very weak sig. IDs highly questionable Contr: (westli)
4035.0	V02a	Mode: USB Date/time: Mon 24-1-2011, 0402 UTC Spanish Numbers Contr: (Man)
4035.0	V02a	Mode: AM Date/time: Mon 31-1-2011, 0400 UTC SSYL atencion: 15611 60162 36832 Weak sig. Contr: (westli)
4039	G06	Mode: AM Date/time: 12-1-2011, 1300 UTC 439 00000 Contr: (HS2)
4172	M21	Mode: CW Date/time: 8-1-2011, 1932 UTC PVO. Id 9. "=99?2232?9?????" Contr: (FN)
4174.0	V02a	Mode: AM Date/time: Mon 24-1-2011, 0300 UTC 01422 97725 87422 Contr: (BS3)
4225	M89	Mode: CW Date/time: 9-1-2011, 2032 UTC V 7NPE (x3) DE QV5B (x2) Contr: (JPL-HK)
4225	M89	Mode: CW Date/time: 11-1-2011, 1735 UTC V 7NPE (x3) DE QV5B (x2) Contr: (JPL-HK)
4225	M89	Mode: CW Date/time: 11-1-2011, 2349 UTC V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz Contr: (JPL-HK)
4225	M89	Mode: CW Date/time: 27-1-2011, 1959 UTC V 7NPE (x3) DE QV5B (x2) (Cont'd) Contr: (JPL-HK)
4270	E10	Mode: AM Date/time: 10-1-2011, 1830 UTC PCD 2 Contr: (MUK)
4270.0	E10	Mode: USB Date/time: Sun 2-1-2011, 0430 UTC Callsign PCD Gc78 R2x First Grp IIZYJ Strong QRN2 Contr: (Ewok-IT)
4270.0	E10	Mode: AM Date/time: Sun 2-1-2011, 2348 UTC the signal unexpectedly vanished around 2359 UTC Contr: (IP-GRC)
4270.0	E10	Mode: USB Date/time: Mon 17-1-2011, 0400 UTC Callsign PCD Grp Ct 76 First Grp UYTXJ Contr: (Ewok-IT)
4270.0	E10	Mode: USB Date/time: Fri 21-1-2011, 0400 UTC Callsign PCD Grp Ct 100 First Gp SGPSU YL operator Contr: (Ewok-DE)
4270.0	E10	Mode: USB Date/time: Mon 31-1-2011, 0021 UTC ID: PCD; Groups: 10; First group: ZGEXI Contr: (why-IT)
4331	M22	Mode: CW Date/time: 11-1-2011, 1939 UTC 4XZ: Israeli Navy Haifa Contr: (norave)
4331	M22	Mode: CW Date/time: 19-1-2011, 0541 UTC 4XZ: Israeli Navy Haifa. "VVV DE 4XZ 4XZ = = AR AR NW QTC 1 NR 052 = = NR 052 TI V WR00

		324091" Contr: (BCI)
4368	M89	Mode: CW Date/time: 27-1-2011, 2004 UTC V MB3R (x3) DE YA6X (x2) (Cont'd) Contr: (JPL-HK)
4441	E11	Mode: USB Date/time: Sun 2-1-2011, 1050 UTC 127/00 Contr: (HFD)
4441	E11	Mode: USB Date/time: Sat 8-1-2011, 1445 UTC 267/00 Contr: (HFD)
4441	E11	Mode: USB Date/time: 12-1-2011, 1445 UTC 287/34 A 60312 85477 .... 77260 OUT Contr: (HS2)
4441	E11	Mode: USB Date/time: 12-1-2011, 1445 UTC 287/34 attn 60312 Contr: (FN)
4441	E11	Mode: USB Date/time: 15-1-2011, 1445 UTC 287/34 strange msg all 5fgs and one 4fg Contr: (why)
4441	E11	Mode: USB Date/time: 17-1-2011, 1050 UTC 127/00 Contr: (HS2)
4441	E11	Mode: USB Date/time: Sat 22-1-2011, 0900 UTC 243/31=30324 54947 Contr: (HFD)
4441	E11	Mode: USB Date/time: 29-1-2011, 0900 UTC 248/00 Contr: (HS2)
4441	G11	Mode: USB Date/time: 14-1-2011, 2000 UTC 262/00 Contr: (FN)
4441	G11	Mode: USB Date/time: 21-1-2011, 2000 UTC 265/37 22908 42898 Contr: (FN)
4441	S11a	Mode: USB Date/time: 17-1-2011, 1355 UTC 254/00 Contr: (HS2)
4441.0	E11	Mode: AM Date/time: Sat 15-1-2011, 0014 UTC 287 oblique 34; First group:60312; began with each 5fg repeated Contr: (why-DE)
4443	M12	Mode: CW Date/time: Tue 4-1-2011, 0440 UTC 408:1 Contr: (HFD)
4461	M12	Mode: CW Date/time: Wed 12-1-2011, 2220 UTC 340:0 Contr: (HFD)
4469.0	XPA2	Mode: USB Date/time: Tue 18-1-2011, 0020 Very strong signal and clear reception. Contr: (Danix)
4470	XPA2	Mode: AM Date/time: Thu 6-1-2011, 2030 UTC msg Contr: (HFD)
4470.0	M14	Mode: USB Date/time: Sat 1-1-2011, 2124 UTC Caught in progress. Contr: (SWL1409)
4471	M12	Mode: CW Date/time: Wed 5-1-2011, 2220 UTC 340:0 Contr: (HFD)
4490	M01	Mode: CW Date/time: 11-1-2011, 2000 UTC 197 626 30 == 19469 Contr: (FN)
4491	M01	Mode: CW Date/time: 13-1-2011, 2000 UTC 197 597 30 == 19555 Contr: (FN)
4519	G06	Mode: AM Date/time: 13-1-2011, 1830 UTC 271 654/15 Contr: (MUK)
4519	G06	Mode: AM Date/time: 27-1-2011, 1830 UTC 271 654 15 45639 Contr: (FN)
4519.0	G06	Mode: AM Date/time: Thu 13-1-2011, 0018 UTC Heard ID call begin, but audio kept cutting out, tuner problem? Contr: (why-DE)
4519.0	G06	Mode: USB Date/time: Thu 13-1-2011, 1830 GlobalTuners Hannover. Good sig. QSB2. Contr: (SWL1409)
4523	M89	Mode: CW Date/time: 7-1-2011, 1955 UTC

V QPZM QPZM QPZM de WOXM WOXM WOXM  
 Contr: (FN)  
 4523 M89 Mode: CW Date/time: 9-1-2011, 2026 UTC  
 V QPZM (x3) DE WOXM (x2) Contr: (JPL-HK)  
 4523 M89 Mode: CW Date/time: 14-1-2011, 1214 UTC  
 V QPZM (x3) DE WOXM (x2) Contr: (JPL-HK)  
 4523 M89 Mode: CW Date/time: 16-1-2011, 1925 UTC  
 V QPZM (x3) DE WOXM (x2) Contr: (JPL-HK)  
 4523 M89 Mode: CW Date/time: 19-1-2011, 1802 UTC  
 V QPZM (x3) DE WOXM (x2) (Cont'd) //3327 kHz  
 Contr: (JPL-HK)  
 4523 M89 Mode: CW Date/time: 27-1-2011, 1955 UTC  
 V QPZM (x3) DE WOXM (x2) (Cont'd) //3327 kHz  
 Contr: (JPL-HK)  
 4523 M89 Mode: CW Date/time: 28-1-2011, 1802 UTC  
 V QPZM (x3) DE WOXM (x2) (Cont'd) Contr: (JPL-HK)  
 4532 M89 Mode: CW Date/time: 9-1-2011, 2035 UTC  
 V JA3L (x3) DE UN2T (x2) Contr: (JPL-HK)  
 4532 M89 Mode: CW Date/time: 11-1-2011, 1739 UTC  
 V JA3L (x3) DE UN2T (x2) (Cont'd) Contr: (JPL-HK)  
 4532 M89 Mode: CW Date/time: 11-1-2011, 2915 UTC  
 V JA3L (x3) DE UN2T (x2) (Cont'd) Contr: (JPL-HK)  
 4532 M89 Mode: CW Date/time: 14-1-2011, 1216 UTC  
 V 7NPE (x3) DE QV5B (x2) (Cont'd) Contr: (JPL-HK)  
 4532 M89 Mode: CW Date/time: 16-1-2011, 1928 UTC  
 V JA3L (x3) DE UN2T (x2) Contr: (JPL-HK)  
 4532 M89 Mode: CW Date/time: 19-1-2011, 1807 UTC  
 V JA3L (x3) DE UN2T (x2) (Cont'd) Contr: (JPL-HK)  
 4532 M89 Mode: CW Date/time: 27-1-2011, 2002 UTC  
 V JA3L (x3) DE UN2T (x2) (Cont'd) Contr: (JPL-HK)  
 4532 M89 Mode: CW Date/time: 28-1-2011, 1806 UTC  
 V JA3L (x3) DE UN2T (x2) (Cont'd) Contr: (JPL-HK)  
 4557.7 MX Mode: CW Date/time: 5-1-2011, 2319 UTC  
 Beacon "D" Contr: (MPJ)  
 4557.7 MX Mode: CW Date/time: 16-1-2011, 0314 UTC  
 Beacon "D" Contr: (Jon-FL)  
 4557.7 MX Mode: CW Date/time: 16-1-2011, 2247 UTC  
 Beacon "D" Contr: (MPJ)  
 4557.9 MX Mode: CW Date/time: 5-1-2011, 2319 UTC  
 Beacon "S" Contr: (MPJ)  
 4557.9 MX Mode: CW Date/time: 16-1-2011, 2247 UTC  
 Beacon "S" Contr: (MPJ)  
 4558 MX Mode: CW Date/time: Wed 5-1-2011, 2222 UTC  
 "D" Contr: (HFD)  
 4560.0 E10 Mode: USB Date/time: Sat 1-1-2011, 0231 UTC  
 Callsign YHF Grp Ct 23 First Gp RPLRN  
 DUPLICATE of 18 JAN 0230Z broadcast!  
 Contr: (Ewok-DE)  
 4560.0 E10 Mode: USB Date/time: Sun 9-1-2011, 1700 UTC  
 Transmission in progress (presumed YHF)  
 Contr: (Ewok-IT)  
 4560.0 E10 Mode: USB Date/time: Sun 9-1-2011, 1707 UTC  
 Caught in progress (callsign and 1st group missed).  
 Contr: (SWL1409)  
 4560.0 E10 Mode: USB Date/time: Tue 18-1-2011, 0230  
 Callsign YHF Grp Ct 23 Frst Grp RPLRN Strong  
 and readable Contr: (Ewok-DE)

4560.0	E10	Mode: USB Date/time: Mon 31-1-2011, 0000 UTC Callsign YHF Grp Ct 26 First Grp ZFEXI YL reading letters more slowly Contr:
4560.0	E10	Mode: AM Date/time: Mon 31-1-2011, 0130 UTC Callsign YHF Grp Ct 15 First Gp KPWRD
4564	E07a	Mode: AM Date/time: Wed 5-1-2011, 2140 UTC 815:1-64137 Contr: (HFD)
4567	XPA	Mode: AM Date/time: Tue 4-1-2011, 1440 UTC msg Contr: (HFD)
4567	XPA	Mode: AM Date/time: 18-1-2011, 1440 UTC 845 000 03589 00001 00000 10140 +++++ Contr: (FN)
4567	XPA	Mode: AM Date/time: 25-1-2011, 1440 UTC 845 1 00469 00103 40521 ... 31677 Contr: (FN)
4587	G06	Mode: AM Date/time: 10-1-2011, 1800 UTC 439 00000 Contr: (MUK)
4618	XPA2	Mode: AM Date/time: Tue 4-1-2011, 2050 UTC Contr: (HFD)
4618	XPA2	Mode: AM Date/time: Thu 6-1-2011, 2050 UTC msg Contr: (HFD)
4624.5	S28	Mode: USB Date/time: Tue 11-1-2011, 1846 Very unstable buzzer, length is normal = Contr: (Danix)
4625	S28	Mode: USB Date/time: 28-1-2010, 1508 UTC MDZhB MDZhB 57 352 RYeFRAKTOR 09 78 68 02 Contr: (HS2)
4625	S28	Mode: USB Date/time: 28-1-2010, 1536 UTC MDZhB MDZhB 57 352 RYeFRAKTOR 09 78 68 02 (repeat of 1508 UTC) Contr: (Danix)
4625	S28	Mode: USB Date/time: 1-1-2011, 1040 UTC Male voice. 10-count Contr: (AB-EST)
4625	S28	Mode: USB Date/time: 5-1-2011, 1402 UTC Female voice. MDZhB MDZhB 79 613 SKOPLENIYe 15 81 75 52 Contr: (Danix)
4625	S28	Mode: USB Date/time: 5-1-2011, 1403 UTC Female voice. MDZhB MDZhB 26 739 IKONOMETR 65 71 18 45 Contr: (Danix)
4625	S28	Mode: USB Date/time: 11-1-2011, 0938 UTC Male voice. MDZhB MDZhB 05 980 SKLON?AJ 31 00 60 16 Contr: (Danix)
4625	S28	Mode: USB Date/time: 14-1-2011, 1452 UTC Female voice. MDZhB MDZhB 54 926 Yel'ChANIN 23 44 10 77 AL'ChIN 87 40 19 17 Contr: (AB-EST)
4625	S28	Mode: USB Date/time: 17-1-2011, 1511 UTC Female voice. MDZhB MDZhB 21 446 GLUVONYeM 36 31 74 60 Contr: (AnEur)
4625	S28	Mode: USB Date/time: 19-1-2011, 0552 UTC Buzzer Contr: (BCI)
4625	S28	Mode: USB Date/time: 19-1-2011, 0823 UTC buzzer Contr: (norave)
4625	S28	Mode: USB Date/time: 20-1-2011, 0202 UTC Male voice. MDZhB MDZhB 482 NAMIRA 29 73 72 71 Contr: (Danix)
4625	S28	Mode: USB Date/time: 21-1-2011, 0657 UTC MDZhB MDZhB 61 885 NAVOZKA 89 56 74 16 Contr: (Danix)
4625	S28	Mode: USB Date/time: 24-1-2011, 2236 UTC

		buzzer Contr: (AB)
4625	S28	Mode: USB Date/time: 26-1-2011, 1458 UTC MDZhB MDZhB 19 553 ILOTOCIN 36 19 69 46 HLORAPATIT 80 80 29 83 Contr: (Danix)
4625.0	S28	Mode: USB Date/time: Wed 26-1-2011, 1458 UTC MDZhB MDZhB 19 553 ILOTOCIN 36 19 69 46 HLORAPATIT 80 80 29 83 Contr: (Danix)
4638	M12	Mode: CW Date/time: Thu 10-1-2011, 0500 UTC 678:1 Contr: (HFD)
4760	E06	Mode: AM Date/time: 21-1-2011, 2040 UTC 123456789 123456789 .. Test transmission Contr: (FN)
4760	E06	Mode: AM Date/time: 21-1-2011, 2130 UTC 472 108 15 26519 Contr: (FN)
4762	M14	Mode: CW Date/time: 12-1-2011, 1920 UTC 748 987 15 == 45376 Contr: (FN)
4768	M12	Mode: CW Date/time: Mon 10-1-2011, 0600 UTC 783:0 Contr: (HFD)
4778	G06	Mode: AM Date/time: 12-1-2011, 1200 UTC 439 00000 (several counts after message, to around 1206z). Contr: (HS2)
4792	G06	Mode: AM Date/time: 14-1-2011, 1930 UTC 436 827 15 24361 Contr: (FN)
4828	M03	Mode: CW Date/time: Tue 4-1-2011, 1115 UTC 272/00 Contr: (HFD)
4828	M03	Mode: CW Date/time: Thu 6-1-2011, 1115 UTC 650/00 Contr: (HFD)
4828	M03	Mode: CW Date/time: 13-1-2011, 1115 UTC 651/38 == 73586 Contr: (FN)
4828	M03	Mode: CW Date/time: 18-1-2011, 1115 UTC 272/00 Contr: (FN)
4828	M03	Mode: AM Date/time: 19-1-2011, 1115 UTC 650/00 Contr: (FN)
4836	E06	Mode: AM Date/time: 20-1-2011, 2031 UTC 321 639 15 35247 Contr: (FN)
4845	S06s	Mode: AM Date/time: 6-1-2011, 1410 UTC 624 873 5 47232 Contr: (FN)
4860	M89	Mode: CW Date/time: 9-1-2011, 2019 UTC VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840 kHz Contr: (JPL-HK)
4860	M89	Mode: CW Date/time: 11-1-2011, 1723 UTC VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (in callup) //6840 kHz Contr: (JPL-HK)
4860	M89	Mode: CW Date/time: 11-1-2011, 2020 UTC VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840 kHz Contr: (JPL-HK)
4860	M89	Mode: CW Date/time: 14-1-2011, 1220 UTC VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840 kHz Contr: (JPL-HK)
4860	M89	Mode: CW Date/time: 19-1-2011, 1820 UTC VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840 kHz Contr: (JPL-HK)
4860	M89	Mode: CW Date/time: 19-1-2011, 1923 UTC VVV Q2M Q2M Q2M DE NYZ NYZ Contr: (PPA)
4860	M89	Mode: CW Date/time: 27-1-2011, 2020 UTC VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840 kHz Contr: (JPL-HK)
4860	M89	Mode: CW Date/time: 28-1-2011, 1820 UTC

		VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840 kHz Contr: (JPL-HK)
4865.5	M21	Mode: CW Date/time: 11-1-2011, 1620 UTC PVO. Id 8 Contr: (FN)
4880	E10	Mode: AM Date/time: 18-1-2011, 2004 UTC ULX: msg gpr 22 (#####) weak unreadable. Contr: (SW2)
4880	E10	Mode: AM Date/time: 19-1-2011, 0607 UTC ULX Contr: (BCI)
4880.0	E10	Mode: USB Date/time: Sat 1-1-2011, 2130 UTC ULX GRP63 FXPKS. Too many noise in AM. Contr: (SWL1409)
4880.0	E10	Mode: USB Date/time: Sat 1-1-2011, 2130 UTC ULX GRP63 FXPKS. Too many noise in AM Contr: (SWL1409)
4880.0	E10	Mode: AM Date/time: Fri 14-1-2011, 1751 UTC Fair, i/p. Contr: (SWL1409)
4880.0	E10	Mode: AM Date/time: Mon 31-1-2011, 0023 UTC ID: ULX; Groups: 16; First group: FGXGG; weak signal + bad interference Contr: (why-DE)
4893	E07	Mode: AM Date/time: 9-1-2011, 1840 UTC 788 1 877 57 53346 Contr: (FN)
4893	E07	Mode: AM Date/time: 19-1-2011, 1840 UTC 788 1 102 34 24909 Contr: (FN)
4951.5	M21	Mode: CW Date/time: 8-1-2011, 1645 UTC PVO. Id 8 Contr: (FN)
5000	M22	Mode: CW Date/time: 1-1-2011, 1930 UTC 4XZ - Israeli Navy Haifa. "VVV DE 4XZ" Contr: (BCI)
5010	M31	Mode: CW Date/time: 4-1-2011, 0640 UTC FDI22 - Narbonne. "VVV VVV VVV DE FDI22 FDI22 FDI22 AR" Contr: (BCI)
5043	M12	Mode: CW Date/time: Tue 4-1-2011, 0500 UTC 408:1 Contr: (HFD)
5070	S06s	Mode: AM Date/time: 11-1-2010, 1500 UTC 537 496 8 34682 Contr: (FN)
5070	S06s	Mode: AM Date/time: 25-1-2011, 1500 UTC 537 489 6 89231 67832 67543 32189 01929 98456 489 6 00000 Contr: (HS2)
5070.0	S06	Mode: AM Date/time: Tue 4-1-2011, 1500 UTC Contr: (Danix)
5070.0	S06	Mode: USB Date/time: Tue 18-1-2011, 0015 ID: 537 call, 489 489 6 6; first group: 89231, last group: 98456; ends with 489 Contr: (why-DE)
5082	E11	Mode: USB Date/time: Mon 10-1-2011, 0450 UTC 416/00 Contr: (HFD)
5082	E11	Mode: USB Date/time: 24-1-2011, 0450 UTC 416/00 Contr: (FN)
5082.0	E11	Mode: AM Date/time: Sun 16-1-2011, 0004 UTC 416 OBLIQUE 00 /Null msg /strong signal Contr: (why-DE)
5135.0	V02a	Mode: AM Date/time: Fri 21-1-2011, 0200 UTC 56262 18512 30882 Contr: (BS3)
5146	E07a	Mode: AM Date/time: Thu 13-1-2011, 0530 UTC 188:0 Contr: (HFD)
5146	E07a	Mode: AM Date/time: 27-1-2011, 0530 UTC 188 1 64137 490 75 17550 Contr: (FN)
5153.7	MX	Mode: CW Date/time: 11-1-2011, 2004 UTC

		Beacon "D" Contr: (norave)
5154.3	MX	Mode: CW Date/time: 14-1-2011, 1148 UTC
		Petropavlovsk Russia. Beacon "K" Contr: (EW)
5164	E07	Mode: AM Date/time: 12-1-2011, 2120 UTC
		815 000 Contr: (FN)
5164	E07a	Mode: AM Date/time: Wed 5-1-2011, 2120 UTC
		815:1-64137 Contr: (HFD)
5175	S06	Mode: AM Date/time: 24-1-2011, 2215 UTC
		121 121 121 00000 Contr: (FN)
5180	S06	Mode: AM Date/time: Mon 10-1-2011, 2215 UTC
		121:0 Contr: (HFD)
5182	M23	Mode: CW Date/time: 6-1-2011, 1502 UTC
		i.p. 123 123 Contr: (FN)
5182	M23	Mode: CW Date/time: 7-1-2011, 0801 UTC
		i.p. 123 123 5182//6961 kHz Contr: (FN)
5182	M23	Mode: CW Date/time: 10-1-2011, 1500 UTC
		123 123 ... until 1517 Contr: (FN)
5182	M23	Mode: CW Date/time: 10-1-2011, 1500 UTC
		123 (In callup) //6961 kHz Contr: (JPL-AUT)
5225	M42	Mode: RUS-ARQ 100/500 Date/time: 19-1-2011,
		RVR39: Russian Gov/Intel. Contr: (BCI)
5250	S06s	Mode: AM Date/time: 11-1-2010, 0700 UTC
		374 901 5 67438 Contr: (FN)
5250.0	S06s	Mode: AM Date/time: Tue 25-1-2011, 0700 UTC
		ID 374, DK/GC 910 5, 73058 21455 43227 54590
		54457 Contr: (Danix)
5282.5	M32	Mode: CW Date/time: 2-1-2011, 1550 UTC
		Russian Military "CU8U CU8U CU8U de OX1A
		OX1A QBE QYT1 = CU8U CU8U CU8U de OX1A
		OX1A QBE QYT1 ar". Contr: (ALF)
5310	S06s	Mode: AM Date/time: 13-1-2011, 1240 UTC
		314 895 6 09537 Contr: (FN)
5310	S06s	Mode: AM Date/time: 27-1-2011, 1240 UTC
		314 857 6 15357 Contr: (FN)
5320	M01	Mode: CW Date/time: 11-1-2011, 1800 UTC
		197 254 30 == 14577 Contr: (FN)
5320	S06s	Mode: AM Date/time: 6-1-2011, 1400 UTC
		624 873 5 47232 Contr: (FN)
5325	M42	Mode: RUS-ARQ 100/500 Date/time: 19-1-2011,
		RND79: Russian Gov/Intel, Moscow Contr: (BCI)
5325	M42	Mode: CW-FSK Date/time: 20-1-2011, 0635
		RND79: Russian Gov/Intel, Moscow. "VVV RBW
		RBW RBW DE RND70 RND70 ZRC2" Contr: (BCI)
5358	M03	Mode: CW Date/time: 7-1-2011, 1544 UTC
		790/37 == 19288 Contr: (FN)
5358	M03	Mode: CW Date/time: Tue 11-1-2011, 1535 UTC
		798/00 Contr: (HFD)
5358	M03	Mode: CW Date/time: 15-1-2011, 1138 UTC
		786/00 Contr: (FN)
5358	M03	Mode: CW Date/time: 15-1-2011, 1535 UTC
		798/00 Contr: (FN)
5358	M03	Mode: CW Date/time: Tue 18-1-2011, 1535 UTC
		798/00 Contr: (HFD)
5358	M03	Mode: CW Date/time: 18-1-2011, 1535 UTC
		798/00 Contr: (FN)
5358	M03	Mode: CW Date/time: 29-1-2011, 1140 UTC
		786/00 Contr: (FN)

5358	M03	Mode: CW Date/time: 29-1-2011, 1535 UTC 798/00 Contr: (FN)
5361	M12	Mode: CW Date/time: Wed 5-1-2011, 2200 UTC 340:0 Contr: (HFD)
5361	M12	Mode: CW Date/time: Wed 12-1-2011, 2200 UTC 340:0 Contr: (HFD)
5391	XPA	Mode: AM Date/time: 11-1-2010, 1940 UTC 873 1 02424 00239 35495 ... 27276 +++++ Contr: (FN)
5391	XPA	Mode: AM Date/time: Tue 4-1-2011, 1920 UTC msg Contr: (HFD)
5391	XPA	Mode: AM Date/time: 13-1-2011, 1940 UTC 873 1 02424 00239 35495 ... 27276 +++++ Contr: (FN)
5391	XPA	Mode: AM Date/time: 25-1-2011, 1940 UTC 873 1 00491 00151 09758 ... 04643 Contr: (FN)
5397	M12	Mode: CW Date/time: 12-1-2011, 1540 UTC 157 1 635 203 08766 Contr: (FN)
5397	M12	Mode: CW Date/time: 19-1-2011, 1618 UTC i.p., noted some identical groups. Strange times due to long message? Contr: (FN)
5416	E07	Mode: AM Date/time: Tue 4-1-2011, 0800 UTC 489 0 Contr: (HFD)
5416	E07	Mode: AM Date/time: 27-1-2011, 0800 UTC 489 489 489 000 at 0757z short sequence of what sounded like the two XPA intro tones Contr: (FN)
5417	XPA2	Mode: AM Date/time: Thu 6-1-2011, 2110 UTC msg Contr: (HFD)
5417.0	V02a	Mode: AM Date/time: Fri 21-1-2011, 0200 UTC SSYL atencion: 81161 56162 07352 Very weak sig. IDs questionable Contr: (westli)
5417.0	V02a	Mode: AM Date/time: Fri 21-1-2011, 0200 UTC 38161 56162 07372 Contr: (BS3)
5435	E10	Mode: AM Date/time: 18-1-2011, 2204 UTC ART: msg. weak unreadable. Contr: (SW2)
5435.0	E10	Mode: USB Date/time: Sat 15-1-2011, 1600 UTC Callsign not copied extremely weak alpha groups barely readable Contr: (Ewok-NL)
5435.0	E10	Mode: USB Date/time: Sun 16-1-2011, 0200 Callsign ART Grp Ct 94 First Gp EASUD strong readable with QRN Contr: (Ewok-IT)
5435.0	E10	Mode: USB Date/time: Tue 18-1-2011, 0200 Callsign ART Grp Ct 85 Frst Grp SAYCF Strong and readable Contr: (Ewok-DE)
5435.0	E10	Mode: USB Date/time: Fri 28-1-2011, 2200 UTC ART with 23 groups. Weak signal. Contr: (Saber)
5435.0	E10	Mode: USB Date/time: Mon 31-1-2011, 1600 UTC Callsign ART Grp Ct 99 First Grp JXNBN Terminates abruptly with ltrs TNO. Contr: (Ewok-IT)
5440	M42	Mode: RUS-ARQ 100/50 Date/time: 31-12-2010, Russian Gov/Intel. Contr: (ALF)
5440	M42	Mode: RUS-ARQ 100/500 Date/time: 19-1-2011, RND75: Russian Gov/Intel, Moscow Contr: (BCI)
5445.0	M22	Mode: USB Date/time: Sun 30-1-2011, 2002 4XZ. New freq? Contr: (SWL1409)
5446	M22	Mode: CW Date/time: 30-1-2011, 2105 UTC 4XZ - Israeli Navy Haifa: "FIZPSB SMAEF KRPLH DZCFH OGNO CBRYD ZLUMIAUBBF XKON G HALKZ JTWN SGGRIQ GSOME TMPAC BGXFN

YZPDA QIBDA == NR 693 PS V QX0L 9002T W3  
 PK9T GR 52 == AR AR VVV DE 4XZ 4XZ == VVV  
 DE 4XZ 4XZ == AR AR Contr: (IK1ODO)  
 5447 E07 Mode: AM Date/time: Thu 6-1-2011, 2130 UTC  
 744 0 Contr: (HFD)  
 5447 E07 Mode: AM Date/time: Thu 20-1-2011, 2130 UTC  
 744 0 Contr: (HFD)  
 5449 E07 Mode: AM Date/time: 20-1-2011, 2130 UTC  
 744 000 Contr: (FN)  
 5460 S06s Mode: AM Date/time: 7-1-2011, 0600 UTC  
 934 250 6 91846 Contr: (FN)  
 5460 S06s Mode: AM Date/time: 7-1-2011, 0602 UTC  
 934 into 2x5FGs after "250 250 — 66". Contr: (ALF)  
 5463 G06 Mode: AM Date/time: 31-1-2011, 0800 UTC  
 215 215 215 00000 Contr: (FN)  
 5464 M01 Mode: CW Date/time: 9-1-2011, 0700 UTC  
 197 240 30 == 82290 Contr: (FN)  
 5466.16 MX Mode: CW Date/time: 29-1-2011, 2216 UTC  
 Beacon "R" Izhevsk Contr: (MPJ)  
 5467 XPA Mode: AM Date/time: Tue 4-1-2011, 1420 UTC  
 msg Contr: (HFD)  
 5467 XPA Mode: AM Date/time: 18-1-2011, 1420 UTC  
 845 000 03589 00001 00000 10140 +++++ Contr: (FN)  
 5467 XPA Mode: AM Date/time: 25-1-2011, 1420 UTC  
 845 1 00469 00103 40521 ... 31677 Contr: (FN)  
 5468 M01c Mode: CW Date/time: 18-1-2011, 1424 UTC  
 i.p. 39459 84846 = 578 40 111 111 05574 111  
 98515 111 54429 111 000 Contr: (FN)  
 5500 M89 Mode: CW Date/time: 11-1-2011, 2349 UTC  
 V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 kHz  
 Contr: (JPL-HK)  
 5500 M89 Mode: CW Date/time: 16-1-2011, 1927 UTC  
 V 7NPE (x3) DE QV5B (x2) Contr: (JPL-HK)  
 5685 M51 Mode: CW Date/time: 17-1-2011, 2054 UTC  
 BT NR 37 J 17 21:54:36 1983 BT Contr: (ALF)  
 5685 M51 Mode: CW Date/time: 20-1-2011, 0642 UTC  
 NR 32 J 20 07:44:18 1983 BT KQQVW MUBSM  
 FEIIV ZPIHJ IIZRQ UAFAU PFOOI FZUPB Contr: (BCI)  
 5686.43 M51 Mode: CW Date/time: 30-1-2011, 1535 UTC  
 NR 51 F 01 16::39:43 1983 = FPFKG QWONR ...  
 Contr: (MPJ)  
 5686.45 M51 Mode: CW Date/time: 19-1-2011, 0639 UTC  
 NR 82 J 19 07:41:42 1 G83 BT XMIDA TKXMU  
 IAFDS IMFVR QRAXB CSSCU Contr: (BCI)  
 5686.5 M51 Mode: CW Date/time: 14-1-2011, 1435 UTC  
 French mil Contr: (norave)  
 5686.5 M51 Mode: CW Date/time: 15-1-2011, 1514 UTC  
 BT NR 52 J 12 16:14:11 1983 BT Contr: (ALF)  
 5686.5 M51 Mode: CW Date/time: 17-1-2011, 1044 UTC  
 in progress Contr: (norave)  
 5688.0 V21 Mode: USB Date/time: Sun 23-1-2011, 0007  
 Counting / unable to copy / weak here / alot of qrn  
 Contr: (BS3)  
 5688.0 V21 Mode: USB Date/time: Sun 23-1-2011, 1307  
 Counting / caught very end / weak Contr: (BS3)  
 5688.0 V21 Mode: USB Date/time: Mon 24-1-2011, 0010 UTC  
 OM/SS Counting Contr: (BS3)

5688.0	V21	Mode: USB Date/time: Wed 26-1-2011, 1246 UTC OM/SS Counting Contr: (BS3)
5688.0	V21	Mode: AM Date/time: Thu 27-1-2011, 1415 UTC OM/SS Counting Contr: (BS3)
5688.0	V21	Mode: AM Date/time: Fri 28-1-2011, 0026 UTC OM/SS Counting Contr: (BS3)
5688.0	V21	Mode: USB Date/time: Sat 29-1-2011, 1248 UTC OM/SS Counting Contr: (BS3)
5707	M--	Mode: CW Date/time: 18-1-2011, 0523 UTC "... 685 = 6972 8141 8094 = 685 = 194 194 685 = 4842 7013 2910 = 685 1123 ar" Contr: (ALF)
5738	M12	Mode: CW Date/time: Mon 10-1-2011, 0520 UTC 678 1 Contr: (HFD)
5774	M41	Mode: CW Date/time: 31-12-2010, 0716 UTC PVO/Russian Air Defense. Trackings "... 7332717515 ABV 72259009517332817015 511590080016 ar". Contr: (ALF)
5782.0	E06	Mode: AM Date/time: Sat 1-1-2011, 0132 UTC Very weak reception Contr: (IP-SVK)
5782.0	E06	Mode: AM Date/time: Sun 2-1-2011, 0132 UTC the same frequency as yesterday Contr: (IP-SVK)
5782.0	E06	Mode: AM Date/time: Sat 8-1-2011, 0130 UTC Contr: (IP-SE)
5782.0	E06	Mode: AM Date/time: Sun 9-1-2011, 0130 UTC Contr: (IP-SE)
5782.0	E06	Mode: AM Date/time: Sat 15-1-2011, 0130 UTC excellent reception Contr: (IP-DE)
5782.0	E06	Mode: AM Date/time: Sat 15-1-2011, 0130 UTC Standard "759" Callsign Transmission ends with "00000" group Contr: (Ewok-DE)
5782.0	E06	Mode: AM Date/time: Sun 16-1-2011, 0130 UTC Contr: (IP-DE)
5782.0	E06	Mode: AM Date/time: Sat 22-1-2011, 0130 UTC identifier first heard around 0115 UTC Contr: (IP-DE)
5782.0	E06	Mode: AM Date/time: Sun 23-1-2011, 0130 UTC recording: <a href="http://tinyurl.com/63dtcrm">http://tinyurl.com/63dtcrm</a> very strong signal Contr: (IP-DE)
5782.0	E06	Mode: AM Date/time: Sun 23-1-2011, 0130 UTC Callsign 759 w usual 5 number groups This seems to be a permanent freq Contr: (Ewok-IT)
5782.0	E06	Mode: AM Date/time: Sat 29-1-2011, 0130 UTC Recording here: <a href="http://tinyurl.com/64h3t2j">http://tinyurl.com/64h3t2j</a> Contr: (IP-DE)
5783	E06	Mode: AM Date/time: 15-1-2011, 0130 UTC 759 861 32 80153 Contr: (FN)
5785	M12?	Mode: CW Date/time: 11-1-2011, 0701 UTC 178 178 178 00000 Contr: (ALF)
5788	M12	Mode: CW Date/time: Wed 12-1-2011, 1840 UTC 463 1 Contr: (HFD)
5792	M41	Mode: CW Date/time: 22-1-2011, 0600 UTC PVO Russian Air Defence "8NNO 8NNO ... 8NNO ar", s/off at 0601 UTC. Contr: (ALF)
5800	M08a	Mode: MCW Date/time: Sun 9-1-2011, 0632 UTC 5 LETTER GROUPS ENDING "AR AR AR SK" Contr: (KC9OP)
5800.0	M08a	Mode: MCW Date/time: Sat 1-1-2011, 0600 UTC

		02481 82652 71211. Contr: (BKS)
5800.0	M08a	Mode: MCW Date/time: Sat 1-1-2011, 0600 UTC
		02481 82652 71211 Contr: (westli)
5800.0	M08a	Mode: MCW Date/time: Sun 2-1-2011, 0600 UTC
		5f cut nums: 80082 84602 14712 Contr: (westli)
5800.0	M08a	Mode: MCW Date/time: Mon 3-1-2011, 0600
		5f cut nums: 13022 63621 23271 Contr: (westli)
5800.0	M08a	Mode: MCW Date/time: Tue 4-1-2011, 0600 UTC
		5f cut nums: 60231 75582 35501 Contr: (westli)
5800.0	M08a	Mode: MCW Date/time: Thu 6-1-2011, 0600 UTC
		5f cut nums: 32522 14342 32341 Contr: (westli)
5800.0	M08a	Mode: MCW Date/time: Fri 7-1-2011, 0600 UTC
		5f cut nums: 82101 07271 02171 Contr: (westli)
5800.0	M08a	Mode: MCW Date/time: Sat 8-1-2011, 0600 UTC
		Up late IP. initial call was to 38851 54652 54422
		Contr: (westli)
5800.0	M08a	Mode: MCW Date/time: Sun 9-1-2011, 0600 UTC
		5f cut nums: 20201 74601 58832 Contr: (westli)
5800.0	M08a	Mode: MCW Date/time: Mon 10-1-2011, 0600
		5f cut nums: 52372 02661 05512 Contr: (westli)
5800.0	M08a	Mode: MCW Date/time: Tue 11-1-2011, 0600 UTC
		5f cut nums: 02321 63311 66022 Contr: (westli)
5800.0	M08a	Mode: MCW Date/time: Thu 13-1-2011, 0600 UTC
		72441 47401 68151 Contr: (BS3)
5800.0	M08a	Mode: MCW Date/time: Thu 13-1-2011, 0600 UTC
		5f cut nums: 72441 47401 68151 Contr: (westli)
5800.0	M08a	Mode: MCW Date/time: Fri 14-1-2011, 0600 UTC
		5f cut nums: 68311 18441 12612 Good sig.
		Missed lead-off ID. Contr: (westli)
5800.0	M08a	Mode: MCW Date/time: Sat 15-1-2011, 0600
		5f cut nums: 45552 08462 04022 Contr: (westli)
5800.0	M08a	Mode: MCW Date/time: Sun 16-1-2011, 0600 UTC
		5f cut nums: 73651 08552 21532 Contr: (westli)
5800.0	M08a	Mode: MCW Date/time: Mon 17-1-2011, 0600
		5f cut nums: 33351 67011 26751 Contr: (westli)
5800.0	M08a	Mode: MCW Date/time: Tue 18-1-2011, 0600 UTC
		58432 35472 05532 Contr: (BS3)
5800.0	M08a	Mode: MCW Date/time: Fri 21-1-2011, 0600 UTC
		30622 08331 46161 Contr: (BS3)
5800.0	M08a	Mode: MCW Date/time: Sun 23-1-2011, 0600 UTC
		67002 25532 62371. Good S8 sig. Partially
		recorded. MC CIP 0602z IP. Contr: (BKS)
5800.0	M08a	Mode: MCW Date/time: Mon 24-1-2011, 0600
		53042 88271 27131. Contr: (BKS)
5800.0	M08a	Mode: MCW Date/time: Mon 24-1-2011, 0600
		53042 88271 27131 Contr: (BS3)
5800.0	M08a	Mode: MCW Date/time: Tue 25-1-2011, 0600 UTC
		31642 71502 68341 Contr: (BS3)
5800.0	M08a	Mode: MCW Date/time: Tue 25-1-2011, 0600 UTC
		31642 71502 68342. S9+ Good sig. QRN3
		electrical. IP. Contr: (BKS)
5800.0	M08a	Mode: MCW Date/time: Tue 25-1-2011, 0600 UTC
		31642 71502 68342. S9+ Good sig. QRN3
		electrical. IP. Contr: (BKS)
5800.0	M08a	Mode: MCW Date/time: Thu 27-1-2011, 0600 UTC
		..... 35022 87071 Questionable. Noisy signal. IP.
		Contr: (BKS)

5800.0	M08a	Mode: MCW Date/time: Thu 27-1-2011, 0600 UTC 17782 35022 87072 Contr: (BS3)
5800.0	M08a	Mode: MCW Date/time: Sat 29-1-2011, 0600 72162 17081 58406 Good sig. 58406 does not follow last-digit pattern. Contr: (BKS)
5800.0	M08a	Mode: AM Date/time: Mon 31-1-2011, 0600 UTC Came in in the middle of it. Loud morse code. Contr: (NW)
5800.0	M8	Mode: AM Date/time: Sun 9-1-2011, 0615 UTC SINPO 45444 Contr: (westli)
5800.0	SK01	Mode: RDFT Date/time: Wed 19-1-2011, 0800 83436572.txt 1024 bytes Contr: (BS3)
5800.0	SK01	Mode: RDFT Date/time: Sun 23-1-2011, 0645 45018058.txt 311 bytes. No decode, compared with previous recording. RDFT. Contr: (BKS)
5800.0	SK01	Mode: RDFT Date/time: Wed 26-1-2011, 0700 53846277.txt 1024 bytes Contr: (BS3)
5801	M89	Mode: CW Date/time: 18-1-2011, 0240 UTC V DKG6 DKG6 DKG6 de 3A7D 3A7D Contr: (ALF)
5807.0	M01a	Mode: CW Date/time: Sat 22-1-2011, 0006 UTC Just ended Contr: (Vambo)
5809.0	M08a	Mode: MCW Date/time: Sun 23-1-2011, 0600 UTC 67002 25532 62371 Contr: (BS3)
5810	M01	Mode: CW Date/time: 29-1-2011, 1500 UTC 197 177 30 == txt Contr: (FN)
5810	M01b	Mode: CW Date/time: 7-1-2011, 1615 UTC 158 373 30 == 40356 Contr: (FN)
5810	S06s	Mode: AM Date/time: 11-1-2010, 0800 UTC 418 279 5 54555 Contr: (FN)
5810	S06s	Mode: AM Date/time: 18-1-2011, 1230 UTC 278 493 5 89765 Contr: (FN)
5810.0	M08a	Mode: MCW Date/time: Fri 21-1-2011, 0600 UTC 52251 58612 26571 Contr: (BS3)
5810.0	M08a	Mode: MCW Date/time: Fri 28-1-2011, 0500 UTC 77181 52272 57752 Contr: (BS3)
5810.0	S06s	Mode: AM Date/time: Tue 25-1-2011, 0800 UTC ID 418, DK/GC 296 5, 78234 90187 [very weak] 90361, not sure due to weak sig. Contr: (Danix)
5816	E07	Mode: AM Date/time: Tue 4-1-2011, 0820 UTC 489 0 Contr: (HFD)
5816	E07	Mode: AM Date/time: 27-1-2011, 0820 UTC 489 489 489 000 Contr: (FN)
5820	E10	Mode: AM Date/time: 18-1-2011, 1934 UTC YHF: 2 msgs msg 1 grp 94 (HJNUB) 1945 msg 2 grp 59 (JDUTC) eom 1952 then rptd. //7918 kHz Contr: (SW2)
5826	M12	Mode: CW Date/time: 24-1-2011, 0003 UTC 376 376 ... 376 into 2x5FGs after 829 829 15 15 == Contr: (ALF)
5836	E07	Mode: USB Date/time: 2-1-2011, 1820 UTC 788 000 Contr: (MUK)
5836	E07	Mode: AM Date/time: Sun 2-1-2011, 1820 UTC 788 0 Contr: (HFD)
5836	E07	Mode: AM Date/time: 9-1-2011, 1820 UTC 788 1 877 57 53346 Contr: (FN)
5836	E07	Mode: AM Date/time: 19-1-2011, 1820 UTC 788 1 102 34 24909 Contr: (FN)

5843	M12	Mode: CW Date/time: Tue 4-1-2011, 0520 UTC 408 1 Contr: (HFD)
5843	M12	Mode: CW Date/time: 18-1-2011, 0540 UTC 408 408 408 2 into 1x5FGs after 923 141 923 141 Contr: (ALF)
5846	E07a	Mode: AM Date/time: Thu 13-1-2011, 0550 UTC 188 0 Contr: (HFD)
5846	E07a	Mode: AM Date/time: 27-1-2011, 0550 UTC 188 1 64137 490 75 17550 Contr: (FN)
5864	E07	Mode: AM Date/time: 12-1-2011, 2100 UTC 815 000 Contr: (FN)
5864	E07a	Mode: AM Date/time: Wed 5-1-2011, 2100 UTC 815 1-64137-490/75 Contr: (HFD)
5864	XPA	Mode: AM Date/time: 14-12-2010, 1940 UTC in progress Contr: (MUK)
5867	XPA	Mode: AM Date/time: Tue 4-1-2011, 1400 UTC msg Contr: (HFD)
5867	XPA	Mode: AM Date/time: 18-1-2011, 1400 UTC 845 000 03589 00001 00000 10140 +++++ Contr: (FN)
5867	XPA	Mode: AM Date/time: 25-1-2011, 1400 UTC 845 1 00469 00103 40521 ... 31677 Contr: (FN)
5868	M12	Mode: CW Date/time: Mon 10-1-2011, 0620 UTC 783 0 Contr: (HFD)
5873	M21	Mode: CW Date/time: 7-1-2011, 1640 UTC PVO. Id 8 Contr: (FN)
5873	M21	Mode: CW Date/time: 9-1-2011, 0936 UTC PVO Contr: (norave)
5882	E07	Mode: AM Date/time: Wed 5-1-2011, 2020 UTC 981 0 Contr: (HFD)
5882	E07	Mode: AM Date/time: 12-1-2011, 2020 UTC 981 000 Contr: (FN)
5882	E07	Mode: AM Date/time: 24-1-2011, 2020 UTC 981 981 981 000 Contr: (FN)
5883.0	V02a	Mode: AM Date/time: Sat 1-1-2011, 0700 UTC Atencion 36211 38682 72502. Good sig, rapid fades. Recording available. Contr: (BKS)
5883.0	V02a	Mode: AM Date/time: Thu 13-1-2011, 0700 UTC 53382 67061 44252 Contr: (BS3)
5883.0	V02a	Mode: AM Date/time: Sun 16-1-2011, 0700 UTC Atencion 37032 22542 84821. Used web radio. Recording available. Contr: (BKS)
5883.0	V02a	Mode: AM Date/time: Tue 18-1-2011, 0700 UTC 12021 15072 25352 Contr: (BS3)
5883.0	V02a	Mode: AM Date/time: Fri 21-1-2011, 0700 UTC 48111 35512 13652 Contr: (BS3)
5883.0	V02a	Mode: AM Date/time: Fri 21-1-2011, 0700 UTC 18452 .....1 87411 Contr: (BS3)
5883.0	V02a	Mode: AM Date/time: Sat 22-1-2011, 0700 UTC Atencion 48111 35512 13652. UE before 0658z. S5 signal fades +/- 2 S-units. Contr: (BKS)
5883.0	V02a	Mode: AM Date/time: Sun 23-1-2011, 0700 UTC 56722 01072 65462 Contr: (BS3)
5883.0	V02a	Mode: AM Date/time: Mon 24-1-2011, 0700 UTC 45631 84541 41411 Contr: (BS3)
5883.0	V02a	Mode: AM Date/time: Tue 25-1-2011, 0700 UTC 32341 47861 27532 Contr: (BS3)
5883.0	V02a	Mode: AM Date/time: Thu 27-1-2011, 0700 UTC

		18451 53481 32211 Contr: (BS3)
5883.0	V02a	Mode: AM Date/time: Fri 28-1-2011, 0700 UTC 14032 37401 46471 Contr: (BS3)
5883.0	V02a	Mode: AM Date/time: Sat 29-1-2011, 0700 UTC Atencion 57731 21532 30252 Contr: (BKS)
5888	M12	Mode: CW Date/time: Tue 4-1-2011, 0510 UTC 897 0 Contr: (HFD)
5898.0	M08a	Mode: MCW Date/time: Sat 1-1-2011, 0500 UTC NON, only carrier for entire transmission. Carrier Up 05:03:14 to before 05:57. Contr: (BKS)
5898.0	M08a	Mode: MCW Date/time: Sun 9-1-2011, 0520 UTC 5 LETTER GROUPS ENDING "AR AR AR NTA NTA NTA NTA BK" THEN RESUMING 5 LETTER GROUPS Contr: (KC9OP)
5898.0	M08a	Mode: MCW Date/time: Thu 13-1-2011, 0500 UTC up late in TFC Contr: (BS3)
5898.0	M08a	Mode: MCW Date/time: Tue 18-1-2011, 0500 UTC 58432 35472 05532 Contr: (BS3)
5898.0	M08a	Mode: MCW Date/time: Sat 22-1-2011, 0500 ..... 56161 Excellent S9+ sig. MC UL CIP 0521z. Contr: (BKS)
5898.0	M08a	Mode: MCW Date/time: Mon 24-1-2011, 0500 Missed callups. CIP 0531. Good S5 sig. Contr: (BKS)
5898.0	M08a	Mode: MCW Date/time: Tue 25-1-2011, 0500 UTC 31642 71502 68341 Contr: (BS3)
5898.0	M08a	Mode: MCW Date/time: Thu 27-1-2011, 0500 UTC 17782 35022 87072 Contr: (BS3)
5898.0	SK01	Mode: RDFT Date/time: Sun 2-1-2011, 0500 45018058.txt - 311 bytes. <1024 bytes. Good fade signal. RDFT. Contr: (BKS)
5898.0	SK01	Mode: RDFT Date/time: Tue 4-1-2011, 0816 Very strong, 32871862.txt 1024 bytes Contr: (TW3)
5898.0	SK01	Mode: RDFT Date/time: Sat 22-1-2011, 0535 UTC 38367263.txt 1024 bytes. Good S7 sig, fade +/- 2 S-units. Several bursts. Contr: (BKS)
5898.0	SK01	Mode: RDFT Date/time: Sun 23-1-2011, 0500 45018058.txt 311 bytes. Resend from Jan 2 2011. Contr: (BKS)
5898.0	V02a	Mode: AM Date/time: Sat 1-1-2011, 0800 UTC Atencion 36211 38682 72502. Good sig, rapid fading. Missed most of xmsn for SK01 Contr: (BKS)
5898.0	V02a	Mode: AM Date/time: Sun 2-1-2011, 0812 UTC IP Contr: (SWA)
5898.0	V02a	Mode: AM Date/time: Sun 9-1-2011, 0727 UTC SPANISH LADY SAYING 5 NUMBER GROUPS ENDING "FINALE FINALE FINALE" AT 0741 Contr: (KC9OP)
5898.0	V02a	Mode: AM Date/time: Thu 13-1-2011, 0800 UTC 53382 67061 44252 Contr: (BS3)
5898.0	V02a	Mode: AM Date/time: Tue 18-1-2011, 0800 UTC 12021 15072 25352 Contr: (BS3)
5898.0	V02a	Mode: AM Date/time: Fri 21-1-2011, 0800 UTC 18452 ..... 87411 Contr: (BS3)
5898.0	V02a	Mode: AM Date/time: Fri 21-1-2011, 0800 UTC 48111 35512 13652 Contr: (BS3)

5898.0	V02a	Mode: AM Date/time: Sun 23-1-2011, 0800 UTC 56722 01072 65462 Contr: (BS3)
5898.0	V02a	Mode: AM Date/time: Tue 25-1-2011, 0800 UTC 32341 47861 27532 Contr: (BS3)
5898.0	V02a	Mode: AM Date/time: Thu 27-1-2011, 0800 UTC 18451 53481 32211 Contr: (BS3)
5898.0	V02a	Mode: AM Date/time: Fri 28-1-2011, 0800 UTC 14032 37401 46471 Contr: (BS3)
5930.0	SK01	Mode: RDFT Date/time: Tue 18-1-2011, 0930 37335256.txt 1024 bytes Contr: (BS3)
5930.0	SK01	Mode: RDFT Date/time: Fri 21-1-2011, 0930 37335256.txt 1024 bytes Contr: (BS3)
5930.0	SK01	Mode: RDFT Date/time: Tue 25-1-2011, 0930 41662222.txt 1024 bytes Contr: (BS3)
5930.0	SK01	Mode: RDFT Date/time: Thu 27-1-2011, 0930 41662222.txt 1024 bytes Contr: (BS3)
5940	M01	Mode: CW Date/time: 6-1-2011, 1605 UTC 159 373 30 == txt Contr: (FN)
5947.0	SK01	Mode: RDFT Date/time: Thu 13-1-2011, 0900 no decode qrm Contr: (BS3)
5947.0	SK01	Mode: RDFT Date/time: Tue 18-1-2011, 0900 no decode qrm Contr: (BS3)
5947.0	SK01	Mode: RDFT Date/time: Fri 21-1-2011, 0900 no decode qrm Contr: (BS3)
5947.0	SK01	Mode: RDFT Date/time: Tue 25-1-2011, 0900 no decode qrm Contr: (BS3)
5947.0	SK01	Mode: RDFT Date/time: Thu 27-1-2011, 0900 no decode qrm Contr: (BS3)
6305	S06s	Mode: AM Date/time: 12-1-2011, 1210 UTC 481 973 5 20163 Contr: (FN)
6320	S06s	Mode: AM Date/time: 11-1-2010, 0715 UTC 374 901 5 67438 Contr: (FN)
6320.0	S06s	Mode: AM Date/time: Tue 25-1-2011, 0715 UTC Muffled sound due to sine wave and hum. ID 374, DK/GC 910 5. Contr: (Danix)
6337	S06s	Mode: AM Date/time: 11-1-2010, 1510 UTC 537 496 8 34682 Contr: (FN)
6337.0	S06	Mode: AM Date/time: Tue 4-1-2011, 1510 UTC Nearly inaudible, jammed by sine wave. Contr: (Danix)
6337.0	S06	Mode: USB Date/time: Tue 18-1-2011, 0015 repeat of msg at 15:00 on 5070khz; ID 537, call 489 489 6 6, first grp: 89231 Contr: (why-DE)
6379	M22	Mode: CW Date/time: 2-1-2011, 1547 UTC 4XZ: Israeli Navy Haifa. "VVV de 4XZ 4XZ ==". Contr: (ALF)
6379	M22	Mode: CW Date/time: 3-1-2011, 0439 UTC 4XZ: Israeli navy Haifa. "VVV de 4XZ" Contr: (VL)
6379	M22	Mode: CW Date/time: 5-1-2011, 1958 UTC 4XZ - Israeli Navy Haifa. "= VVV DE 4XZ 4XZ = -- RD6X NR 37 FM PR 34 == DK7Q NR 27 HM GR 99 == PR3S NR 47 HC GR 62 ==" Contr: (BCI)
6379	M22	Mode: CW Date/time: 6-1-2011, 1919 UTC 4XZ: Navy Haifa. 5LG msg after "qtc 1 nr 28 == nr 28 nn v zh2o 243160 jq4p gr m 1 ==" Contr: (PPA)
6379	M22	Mode: CW Date/time: 10-1-2011, 0741 UTC 4XZ: Israeli Navy Haifa Contr: (norave)

6420	S06s	Mode: AM Date/time: Wed 5-1-2011, 1240 UTC 967-821/5=15357 Contr: (HFD)
6420	S06s	Mode: AM Date/time: 12-1-2011, 1240 UTC 967 821 5 15357 Contr: (FN)
6433	G11	Mode: USB Date/time: Sun 2-1-2011, 1755 UTC 270/00 Contr: (HFD)
6433	G11	Mode: USB Date/time: 14-1-2011, 1325 UTC 299/00 Contr: (FN)
6433	G11	Mode: AM Date/time: 28-1-2011, 1325 UTC 299/00 Contr: (HS2)
6433	G11	Mode: AM Date/time: 29-1-2011, 1325 UTC 299/00 Contr: (HS2)
6433	S11	Mode: USB Date/time: 12-1-2011, 1020 UTC 221/00 Contr: (HS2)
6433	S11	Mode: USB Date/time: 26-1-2011, 1028 UTC 227/33 Contr: (FN)
6433	S11a	Mode: USB Date/time: Wed 5-1-2011, 1020 UTC 221/00 Contr: (HFD)
6433.0	G11	Mode: USB Date/time: Sun 2-1-2011, 1758 UTC Caught at the end. 470/00 (not sure of this ID) Contr: (SWL1409)
6445.5	XSL	Mode: PSK Date/time: 29-1-2011, 1001 UTC Japanese Slot Machine. Contr: (ranger)
6498	E10	Mode: AM Date/time: 18-2-2011, 2104 UTC PCD: msg gpr 35 (CPZTG) qrn. eom 2107 then rptd. Contr: (SW2)
6668	S06s	Mode: AM Date/time: 10-1-2010, 1610 UTC 176 824 5 36787 Contr: (FN)
6738.0	V02a	Mode: AM Date/time: Mon 31-1-2011, 0400 UTC SSYL atencion: 46801 54151 43421 Contr: (westli)
6753	M32	Mode: CW Date/time: 3-1-2011, 0600 UTC Russian Military: RFFN wkg dx RFFR, RFFO etc. Contr: (ALF)
6768.0	SK01	Mode: RDFT Date/time: Thu 20-1-2011, 1600 58483387.txt 1024 bytes Contr: (BS3)
6768.0	SK01	Mode: RDFT Date/time: Fri 21-1-2011, 1600 17861583.txt 1024 bytes Contr: (BS3)
6768.0	SK01	Mode: RDFT Date/time: Mon 24-1-2011, 1600 17861583.txt 1024 bytes Contr: (BS3)
6768.0	SK01	Mode: RDFT Date/time: Tue 25-1-2011, 1600 71861583.txt 1024 bytes Contr: (BS3)
6768.0	SK01	Mode: RDFT Date/time: Wed 26-1-2011, 1600 46454288.txt 1024 bytes Contr: (BS3)
6768.0	SK01	Mode: RDFT Date/time: Thu 27-1-2011, 1600 46455288.txt 1024 bytes Contr: (BS3)
6768.0	SK01	Mode: RDFT Date/time: Fri 28-1-2011, 1600 46454288.txt 1024 bytes Contr: (BS3)
6768.0	V02a	Mode: AM Date/time: Mon 3-1-2011, 0400 UTC SSYL: ..... .... Up late IP. Contr: (westli)
6768.0	V02a	Mode: AM Date/time: Mon 24-1-2011, 0400 UTC Too weak. Contr: (BKS)
6768.0	V02a	Mode: AM Date/time: Mon 24-1-2011, 0400 UTC 85462 77141 02241 Contr: (BS3)
6768.0	V02a	Mode: AM Date/time: Mon 24-1-2011, 0400 UTC SSYL atencion: 54621 77141 02241 Very weak

		sig. Contr: (westli)
6770	S06s	Mode: AM Date/time: 18-1-2011, 1240 UTC 278 493 5 89765 Contr: (FN)
6770	S06s	Mode: AM Date/time: 25-1-2011, 1240 UTC 278 493 5 89765 34251 67339 82110 90126 493 5 00000 Contr: (HS2)
6774	E07	Mode: AM Date/time: Sun 2-1-2011, 1800 UTC 788 0 Contr: (HFD)
6774	E07	Mode: USB Date/time: 2-1-2011, 1800 UTC 788 000 Contr: (MUK)
6774	E07	Mode: AM Date/time: 9-1-2011, 1800 UTC 788 1 877 57 53346 Contr: (FN)
6774	E07	Mode: AM Date/time: 19-1-2011, 1800 UTC 788 1 102 34 24909 Contr: (FN)
6775	M42	Mode: RUS-ARQ 100/500 Date/time: 21-1-2011, Russian Gov/Intel. Contr: (BCI)
6776	M42	Mode: CW Date/time: 3-1-2011, 0327 UTC Russian Gov/Intel ("=50=" related) "QSY 64296 QSY 64296 k" Contr: (ALF)
6777	E07	Mode: AM Date/time: Thu 6-1-2011, 2110 UTC 2 tones / carrier / Contr: (HFD)
6777	E07	Mode: AM Date/time: 20-1-2011, 2110 UTC 744 000 Contr: (FN)
6777	E07	Mode: AM Date/time: Sun 20-1-2011, 2110 UTC 744 0 Contr: (HFD)
6779	M51	Mode: CW Date/time: 2-1-2011, 1426 UTC NR 40 D 30 15:25:46 1982 = SAHBC NVASA ... Contr: (MPJ)
6779	M51	Mode: CW Date/time: 2-1-2011, 1608 UTC "NR 58 D 30 17:17:50 1982 BT EPBDA LWXYW BIJZM FTRWZ KHEGV QGYNQ" Contr: (BCI)
6785.0	M08a	Mode: CW Date/time: Fri 21-1-2011, 1900 UTC 65331 54531 37242 Contr: (BS3)
6785.0	M08a	Mode: CW Date/time: Wed 26-1-2011, 1900 UTC 40242 17521 03722 Contr: (BS3)
6785.0	M08a	Mode: CW Date/time: Fri 28-1-2011, 1900 UTC 87601 27351 43552 Contr: (BS3)
6788	S06	Mode: AM Date/time: 15-1-2011, 1605 UTC 134/00 Contr: (FN)
6791	XPA	Mode: AM Date/time: 11-1-2010, 1920 UTC 873 1 02424 00239 35495 ... 27276 +++++ Contr: (FN)
6791	XPA	Mode: AM Date/time: Tue 4-1-2011, 1920 UTC msg Contr: (HFD)
6791	XPA	Mode: AM Date/time: 13-1-2011, 1920 UTC 873 1 02424 00239 35495 ... 27276 +++++ Contr: (FN)
6791	XPA	Mode: AM Date/time: 25-1-2011, 1920 UTC 873 1 00491 00151 09758 ... 04643 Contr: (FN)
6795	M42	Mode: RUS-ARQ 100/500 Date/time: 20-1-2011, RXZ32: Russian Gov/Intel, St. Petersburg Contr: (BCI)
6797	M12	Mode: CW Date/time: 19-1-2011, 1545 UTC very long 5f traffic ends 000 or TTT (missed the preamble) Contr: (EB)
6797	M12	Mode: CW Date/time: 19-1-2011, 1553 UTC i.p. Contr: (FN)
6798	M31	Mode: CW Date/time: 25-1-2011, 2130 UTC "CALORIE": French Air Force. Marker "CECI EST UNE EMISSION DE CALORIE DESTINE AU

REGLAGE DE VOTRE RECEPTEUR LUNDI  
 MARDI MERCREDI JEUDI VENDRE SAMEDI  
 DIMANCHE 301, 302, 303, 304, 305, 306, 307,  
 308, 309, JANVIER, FEVRIER, MARS, AVRIL,  
 MAI, JUIN, JUILLET, AOUT, S Contr: (ALF)  
 6802 M12 Mode: CW Date/time: Wed 12-1-2011, 1820 UTC  
 463 1 Contr: (HFD)  
 6823.5 M21 Mode: CW Date/time: 14-1-2011, 0732 UTC  
 PVO. Id 9. "=99?1032?9?????" and tracking  
 results Contr: (FN)  
 6823.55 M21 Mode: CW Date/time: 15-1-2011, 1336 UTC  
 Russian Air Defence Contr: (MPJ)  
 6824 M21 Mode: CW Date/time: 15-1-2011, 0920 UTC  
 PVO. Id 9. "12906007501839 99?1241?9?????  
 11730926383941" Contr: (WP3)  
 6825 M51 Mode: CW Date/time: 3-1-2010, 0930 UTC  
 FAV22: French Army Mont-Valerien "vvv vvv vvv  
 de fav22 fav22 qlh 3881/6825 khz  
 VITESSE ANNONCEES \'82EGEREMENT  
 HUPEIEU ES. I LECON T1-1/1 4ITESS5420  
 ECTMD\'82 BT ..... QQLAW NBGFV ÄLMAP  
 JKJDUR JSNWK EUIOK HNDTS IKGCV 37628  
 AYSGX WBSUJ" 2011-01-03 (wp3) Contr: (WP3)  
 6825 M51 Mode: CW Date/time: 2-1-2011, 0821 UTC  
 FAV22 - Mont Valerien. "... AR CQ DE FAV22 VA"  
 Contr: (BCI)  
 6825.0 M51 Mode: CW Date/time: Sat 8-1-2011, 0100 UTC  
 Very weaky. Greetz to #wunclub Contr: (AgBr)  
 6835 M-- Mode: CW Date/time: 18-1-2011, 1121 UTC  
 186 186 186 1 Contr: (ALF)  
 6835.36 OLO32 Mode: FEC 100/170 Date/time: 14-1-2011, 2118  
 Czech Intel. Encrypted broadcast Contr: (ALF)  
 6838 M12 Mode: CW Date/time: Mon 10-1-2011, 0540 UTC  
 678 1 Contr: (HFD)  
 6840 E10 Mode: AM Date/time: 7-1-2011, 1615 UTC  
 EZI Contr: (BCI)  
 6840 E10 Mode: AM Date/time: 21-1-2011, 2100 UTC  
 PCD YL with Message group 100 Contr: (PPA)  
 6840 E10 Mode: AM Date/time: 21-1-2011, 2100 UTC  
 PCD Contr: (BCI)  
 6840 E10 Mode: AM Date/time: 23-1-2011, 0333 UTC  
 EZI2 Contr: (ALF)  
 6840 M89 Mode: CW Date/time: 9-1-2011, 2019 UTC  
 VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K  
 //4860 kHz Contr: (JPL-HK)  
 6840 M89 Mode: CW Date/time: 11-1-2011, 1723 UTC  
 VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K  
 //4860 kHz (In callup) Contr: (JPL-HK)  
 6840 M89 Mode: CW Date/time: 11-1-2011, 2020 UTC  
 VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K  
 //4860 kHz Contr: (JPL-HK)  
 6840 M89 Mode: CW Date/time: 14-1-2011, 1220 UTC  
 VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K  
 //4860 kHz Contr: (JPL-HK)  
 6840 M89 Mode: CW Date/time: 16-1-2011, 1920 UTC  
 VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K  
 Contr: (JPL-HK)

6840	M89	Mode: CW Date/time: 19-1-2011, 1820 UTC VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860 kHz Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 21-1-2011, 0020 UTC VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 27-1-2011, 2020 UTC VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860 kHz Contr: (JPL-HK)
6840	M89	Mode: CW Date/time: 28-1-2011, 1820 UTC VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860 kHz Contr: (JPL-HK)
6840.0	E10	Mode: AM Date/time: Sun 2-1-2011, 1800 UTC EZI GRP42 MCQSN. Contr: (SWL1409)
6840.0	E10	Mode: USB Date/time: Sun 23-1-2011, 0330 Callsign EZI-2 callsign only no msg med sig with QRN Contr: (Ewok-IT)
6840.0	E10	Mode: AM Date/time: Sun 23-1-2011, 2036 UTC Contr: (IP-DE)
6840.0	E10	Mode: USB Date/time: Thu 27-1-2011, 2230 EZI 2, null message Contr: (Pres)
6840.0	E10	Mode: AM Date/time: Mon 31-1-2011, 0100 UTC Callsign EZI Grp Ct 16 First Gp GNUYA (?)
6840.0	E10	Mode: AM Date/time: Mon 31-1-2011, 0330 UTC Callsign EZI Grp Ct 16 First Gp ?????
6840.0	E10	Mode: USB Date/time: Mon 31-1-2011, 0400 UTC Callsign PCD Crp Ct 56 First Gp MQFLI
6846	E07	Mode: AM Date/time: 6-1-2011, 0616 UTC OM/EE 1x5FGs. Contr: (ALF)
6846	E07	Mode: USB Date/time: 27-1-2011, 0611 UTC OM/EE clg "188 188 188 1 64137" into 1x5FGs after "490 75 490 75" Contr: (ALF)
6846	E07a	Mode: AM Date/time: 27-1-2011, 0610 UTC 188 1 64137 490 75 17550 Contr: (FN)
6853.0	M08a	Mode: USB Date/time: Wed 26-1-2011, 2200 UTC Contr: (Pres)
6854.0	M08a	Mode: CW Date/time: Thu 20-1-2011, 2200 UTC 54181 54822 76002 Contr: (BS3)
6854.0	M08a	Mode: CW Date/time: Thu 20-1-2011, 2200 UTC 5f cut nums: 54181 54812 76002 Very weak sig. Missed lead-off ID. Contr: (westli)
6854.0	M08a	Mode: CW Date/time: Wed 26-1-2011, 2200 UTC 74661 70081 01462 Contr: (BS3)
6854.0	M08a	Mode: CW Date/time: Thu 27-1-2011, 2200 UTC ..... ..... 74062 up late Contr: (BS3)
6854.0	M08a	Mode: CW Date/time: Thu 27-1-2011, 2300 UTC TFC weak on wrong freq Should be on 8135k Contr: (BS3)
6855.0	V02a	Mode: AM Date/time: Mon 3-1-2011, 0300 UTC SSYL atencion: 1.... .... 22762 Very weak sig. Contr: (westli)
6855.0	V02a	Mode: AM Date/time: Mon 10-1-2011, 0300 UTC SSYL atencion: 67572 84632 61501 Contr: (westli)
6855.0	V02a	Mode: AM Date/time: Mon 24-1-2011, 0300 UTC 85462 77141 02241 Contr: (BS3)
6866	M42	Mode: Baudot 50/500 Date/time: 28-1-2011,

NT9P: Russian Gov/Intel. 5FGs ending "1622 K".  
 Into CW: CFM NIL K. QRX? OK QRX 72494. OK  
 QRX 72494 K. AR" Contr: (MPJ)  
 6866 M42 Mode: CW Date/time: 28-1-2011, 1622 UTC  
 NT9P: Russian Gov/Intel. Ops chat "\_\_\_\_ de NT9P  
 QSA3 Q\_\_? QSY AS. RPT K. OK QSW 76690  
 QSW 76690 K" Contr: (MPJ)  
 6880 S06 Mode: AM Date/time: 29-1-2011, 0641 UTC  
 adjiem dwa setierje Contr: (PPA)  
 6880 S06s Mode: AM Date/time: 12-1-2011, 0820 UTC  
 471 963 5 01818 Contr: (FN)  
 6902 M12 Mode: CW Date/time: Sat 8-1-2011, 0010 UTC  
 646 646 646/ 28 28/ 81050 00518 43458  
 30159 ..... Contr: (Bengerri)  
 6902 M12 Mode: CW Date/time: 24-1-2011, 1942 UTC  
 257 257 1 257 257 1 2T7T 63 2T7T 63 8T685  
 56987 69666 82183 33291 6T653 T5T28 56437  
 41465 18825 69315 92622 25322 28844 ....  
 Contr: (WP3)  
 6904 M12 Mode: CW Date/time: 6-1-2011, 1840 UTC  
 id 257 Contr: (CK)  
 6904 M12 Mode: CW Date/time: Thu 6-1-2011, 2040 UTC  
 257 1 Contr: (HFD)  
 6904 M12 Mode: CW Date/time: 31-1-2011, 2040 UTC  
 257 1 6686 54 87716 Contr: (FN)  
 6920 S06 Mode: AM Date/time: 24-1-2011, 2115 UTC  
 121 121 121 00000 Contr: (FN)  
 6925 M42 Mode: CW & Baudot 50/500 Date/time: 31-12-  
 LKDW: Russian Gov/Intel. CW "bk bk QSA4 QSA?  
 QRU? k", "SLV k", "bk bk QRV k" into  
 F1B/RTTY/ITA2/50/500 5FGs with "=50=" separator, end "0651 k" & OP-chat "CFM NIL K SK SK ". Contr: (ALF)  
 6932.0 M08a Mode: MCW Date/time: Thu 27-1-2011, 2100 UTC  
 10281 45662 86871 Contr: (BS3)  
 6935 M42 Mode: RUS-ARQ 100/500 Date/time: 21-1-2011,  
 RDH64: Russian Gov/Intel, St.Petersburg Contr: (BCI)  
 6946.36 OLO32 Mode: FEC 100/170 Date/time: 9-1-2011, 0949  
 Czech intel. Contr: (norave)  
 6952 M12 Mode: CW Date/time: Tue 4-1-2011, 0530 UTC  
 897 0 Contr: (HFD)  
 6961 M-- Mode: CW Date/time: 23-1-2011, 0314 UTC  
 456 456 456 repeated Contr: (ALF)  
 6961 M23 Mode: CW Date/time: 7-1-2011, 0801 UTC  
 i.p. 123 123 5182//6961 kHz Contr: (FN)  
 6961 M23 Mode: CW Date/time: 10-1-2011, 1500 UTC  
 123 (In callup) //5182 kHz Contr: (JPL-AUT)  
 6980 M42 Mode: RUS-ARQ 100/500 Date/time: 21-1-2011,  
 Russian Gov/Intel. Contr: (BCI)  
 6982 E07 Mode: AM Date/time: Wed 5-1-2011, 2000 UTC  
 981 0 Contr: (HFD)  
 6982 E07 Mode: AM Date/time: 12-1-2011, 2000 UTC  
 981 000 Contr: (FN)  
 6982 E07 Mode: AM Date/time: 24-1-2011, 2000 UTC  
 981 981 981 000 Contr: (FN)  
 6982.0 E07 Mode: AM Date/time: Wed 12-1-2011, 0020 UTC  
 "981 981 981 000 000" repeating; null msg

		Contr: (why-AUT)
7030	S06s	Mode: AM Date/time: 12-1-2011, 1200 UTC 481 973 5 20163 Contr: (FN)
7038.9	MX	Mode: CW Date/time: 4-1-2010, 1021 UTC Beacon "S" Severomorsk Contr: (WP3)
7038.9	MX	Mode: CW Date/time: 9-1-2011, 0950 UTC Beacon "S" Contr: (norave)
7039	MX	Mode: CW Date/time: 28-1-2011, 0637 UTC Beacon "C" Contr: (Jon-FL)
7039.2	MX	Mode: CW Date/time: 5-1-2010, 2104 UTC Beacon "F" Contr: (AB-HK)
7039.2	MX	Mode: CW Date/time: 14-1-2011, 1135 UTC Vladivostok Russia. Beacon "F" Contr: (EW)
7039.3	MX	Mode: CW Date/time: 5-1-2010, 2104 UTC Beacon "K" Contr: (AB-HK)
7039.4	MX	Mode: CW Date/time: 5-1-2010, 2104 UTC Beacon "M" Contr: (AB-HK)
7039.4	MX	Mode: CW Date/time: 14-1-2011, 1150 UTC Magadan Russia. Beacon "M" Contr: (EW)
7070	S06s	Mode: AM Date/time: 7-1-2011, 0610 UTC 934 250 6 91846 Contr: (FN)
7150	S06s	Mode: AM Date/time: 7-1-2011, 0700 UTC 196 243 5 33509 Contr: (FN)
7335	S06s	Mode: AM Date/time: 12-1-2011, 0830 UTC 745 982 6 30054 87758 03585 42147 39967 80064 982 6 00000 Contr: (HS2)
7335	S06s	Mode: AM Date/time: 19-1-2011, 0830 UTC 745 812 6 67144 Contr: (FN)
7430	M42	Mode: RUS-ARQ 100/500 Date/time: 21-1-2011, RHT42: Russian Gov/Intel, St. Petersburg Contr: (BCI)
7436	S06s	Mode: AM Date/time: 10-1-2010, 1600 UTC 176 824 5 36787 Contr: (FN)
7436.0	S06	Mode: USB Date/time: Mon 31-1-2011, 0016 UTC ID: 176, followed by 00000; null msg. Contr: (why-IT)
7440	S06s	Mode: AM Date/time: 11-1-2010, 0810 UTC 418 279 5 54555 Contr: (FN)
7440.0	S06s	Mode: AM Date/time: Tue 25-1-2011, 0810 UTC ID 418, DK/GC 296 5, 78234 90187 35476 [very weak] 90361, weaker. Contr: (Danix)
7504	S11	Mode: USB Date/time: 18-1-2011, 0915 UTC 480/30 70419 Contr: (FN)
7504	S11a	Mode: USB Date/time: 14-1-2011, 0915 UTC 584/00 Contr: (FN)
7504	S11a	Mode: USB Date/time: 14-1-2011, 0915 UTC 584/00 Contr: (FN)
7504	S11a	Mode: USB Date/time: 25-1-2011, 0915 UTC 484/00 Contr: (HS2)
7519.0	M08a	Mode: CW Date/time: Fri 7-1-2011, 2200 UTC 5f cut nums: 54561 24802 53262 VG sig. Fast mode. Contr: (westli)
7519.0	M08a	Mode: CW Date/time: Wed 26-1-2011, 2200 UTC 34421 24782 88462 Contr: (BS3)
7519.0	M08a	Mode: CW Date/time: Wed 26-1-2011, 2200 UTC 5f cut nums: 70081 01362 01661 Weak sig. Missed 1st ID. Contr: (westli)
7519.0	M08a	Mode: CW Date/time: Fri 28-1-2011, 2200 UTC

		TFC up late Contr: (BS3)
7526.0	M08a	Mode: CW Date/time: Tue 18-1-2011, 2200 UTC up late in TFC Contr: (BS3)
7526.0	M08a	Mode: CW Date/time: Tue 25-1-2011, 2200 UTC 60461 86781 86342 Contr: (BS3)
7540	M42	Mode: RUS-ARQ 100/500 Date/time: 20-1-2011, ROK28: Russian Gov/Intel, Moscow Contr: (BCI)
7554.0	M08a	Mode: CW Date/time: Thu 20-1-2011, 2000 UTC 04262 20382 72352 Contr: (BS3)
7554.0	M08a	Mode: CW Date/time: Fri 21-1-2011, 2000 UTC 65331 54531 37242 Contr: (BS3)
7554.0	M08a	Mode: CW Date/time: Tue 25-1-2011, 2000 UTC 72772 37242 74372 Contr: (BS3)
7554.0	M08a	Mode: CW Date/time: Wed 26-1-2011, 2000 UTC 40242 17521 03722 Contr: (BS3)
7554.0	M08a	Mode: CW Date/time: Wed 26-1-2011, 2100 UTC 30532 15072 13101 Contr: (BS3)
7554.0	M08a	Mode: CW Date/time: Fri 28-1-2011, 2000 UTC 87601 27351 43552 Contr: (BS3)
7554.0	V02a	Mode: AM Date/time: Thu 27-1-2011, 2000 UTC 73401 35731 51142 Should have been on 13380k Contr: (BS3)
7556.0	M08a	Mode: MCW Date/time: Thu 27-1-2011, 2000 UTC Harsh interference, but there. Contr: (Pres)
7558.5	M21	Mode: CW Date/time: 2-11-2011, 1418 UTC Russian Air Defence =991718??0????? Contr: (MPJ)
7602	M89	Mode: CW Date/time: 25-1-2011, 1918 UTC V DKG6 DKG6 DKG6 DE 3A7D 3A7D Contr: (PPA)
7630	M42	Mode: RUS-ARQ 100/500 Date/time: 20-1-2011, RDP5: Russian Gov/Intel, Kirov Contr: (BCI)
7635	M42	Mode: RUS-ARQ 100/500 ACF 162 Date/time: 14-1-2011, 0925 UTC Russian Gov/Intel. Encrypted text Contr: (FN)
7650	M42	Mode: RUS-ARQ 100/500 Date/time: 21-1-2011, Russian Gov/Intel. Contr: (BCI)
7690	E10	Mode: AM Date/time: 7-1-2011, 1607 UTC EZI Contr: (BCI)
7737	M89	Mode: CW Date/time: 2-1-2010, 2045 UTC V YAV8 YAV8 YAV8 de OTUV OTUV Contr: (AtB)
7746.36	OLO32	Mode: FEC 100/170 Date/time: 17-1-2011, 2112 Czech Intel. Encrypted broadcast Contr: (ALF)
7840	E11	Mode: USB Date/time: Thu 13-1-2011, 0645 517/00 Contr: (HFD)
7840	S06s	Mode: AM Date/time: 12-1-2011, 0830 UTC 471 963 5 01818 Contr: (FN)
7865	S06s	Mode: AM Date/time: 13-1-2011, 1230 UTC 314 895 6 09537 Contr: (FN)
7865	S06s	Mode: AM Date/time: 27-1-2011, 1230 UTC 314 857 6 15357 Contr: (FN)
7890.0	SK01	Mode: RDFT Date/time: Tue 18-1-2011, 1030 21525628.txt 1024 bytes Contr: (BS3)
7890.0	SK01	Mode: RDFT Date/time: Tue 25-1-2011, 1030 66134668.txt 1024 bytes Contr: (BS3)
7890.0	SK01	Mode: RDFT Date/time: Thu 27-1-2011, 1030 41662222.txt 1024 bytes Contr: (BS3)
7891	XPA	Mode: AM Date/time: 11-1-2010, 1900 UTC 873 1 02424 00239 35495 ... 27276 +++++ Contr: (FN)

7891	XPA	Mode: AM Date/time: Tue 4-1-2011, 1900 UTC msg Contr: (HFD)
7891	XPA	Mode: AM Date/time: 13-1-2011, 1900 UTC 873 1 02424 00239 35495 ... 27276 +++++ Contr: (FN)
7891	XPA	Mode: AM Date/time: 25-1-2011, 1900 UTC 873 1 00491 00151 09758 ... 04643 Contr: (FN)
7891.0	XPA	Mode: USB Date/time: Thu 13-1-2011, 1900 Good sig. QSB3. Contr: (SWL1409)
7918	E10	Mode: AM Date/time: 18-1-2011, 1934 UTC YHF: 2 msgs msg 1 grp 94 (HJNUB) 1945 msg 2 grp 59 (JDUTC) eom 1952 then rptd. //5820 kHz Contr: (SW2)
7918.0	E10	Mode: USB Date/time: Sun 2-1-2011, 0530 UTC Callsign YHF2 3 min call only with no msg Moderate QRN3 Contr: (Ewok-IT)
7918.0	E10	Mode: USB Date/time: Mon 17-1-2011, 0430 UTC Callsign YHF2 callsign only (no preamble no msg) Contr: (Ewok-IT)
7931	M12	Mode: CW Date/time: Sun 6-1-2011, 2020 UTC 257 1 Contr: (HFD)
7931	M12	Mode: CW Date/time: 31-1-2011, 2020 UTC 257 1 6686 54 87716 Contr: (FN)
8000	M22	Mode: CW Date/time: 24-1-2011, 0609 UTC 4XZ: Israeli Navy Haifa. "VVV" marker + msg Contr: (ALF)
8009.0	M08a	Mode: CW Date/time: Mon 3-1-2011, 2300 UTC 5f cut nums: 26361 15181 66301 Contr: (westli)
8009.0	M08a	Mode: CW Date/time: Mon 17-1-2011, 2300 UTC 5f cut nums: 53551 83541 30671 Contr: (westli)
8009.0	M08a	Mode: CW Date/time: Wed 19-1-2011, 2300 UTC 75681 28442 82342 Contr: (BS3)
8009.0	M08a	Mode: CW Date/time: Wed 19-1-2011, 2300 UTC 5f cut nums: 75681 28442 82342 Contr: (westli)
8009.0	M08a	Mode: CW Date/time: Thu 20-1-2011, 2200 UTC 56132 82741 05622 Contr: (BS3)
8009.0	M08a	Mode: CW Date/time: Thu 20-1-2011, 2200 UTC 5f cut nums: 06222 56132 82741 Contr: (westli)
8009.0	M08a	Mode: CW Date/time: Mon 24-1-2011, 2300 UTC very weak here Contr: (BS3)
8009.0	M08a	Mode: CW Date/time: Wed 26-1-2011, 2300 UTC 5f cut nums: 34421 24782 88462 Contr: (westli)
8009.0	M08a	Mode: CW Date/time: Wed 26-1-2011, 2300 UTC 34421 24782 88462 Contr: (BS3)
8009.0	M08a	Mode: CW Date/time: Thu 27-1-2011, 2200 UTC ..... .... 86871 up late Contr: (BS3)
8010.0	M08a	Mode: CW Date/time: Thu 13-1-2011, 2130 UTC Contr: (Pres)
8015	M21	Mode: CW Date/time: 4-1-2011, 0720 UTC PVO Contr: (BCI)
8015	M21	Mode: CW Date/time: 17-1-2011, 2115 UTC PVO/Russian Air Defence time-mkr "??" and trackings. Contr: (ALF)
8035.0	M08a	Mode: CW Date/time: Tue 11-1-2011, 2300 UTC 5f cut nums: 07641 46471 45022 Contr: (westli)
8047	M12	Mode: CW Date/time: Wed 12-1-2011, 1800 UTC 463 1 Contr: (HFD)
8091	E11	Mode: USB Date/time: 12-1-2011, 1045 UTC

		469/00 Contr: (HS2)
8091	E11	Mode: AM Date/time: 19-1-2011, 1045 UTC
		460/32 attn. 10026 83103 Contr: (FN)
8091	E11	Mode: USB Date/time: 25-1-2011, 1045 UTC
		469/00 Contr: (HS2)
8091	E11	Mode: USB Date/time: 26-1-2011, 1045 UTC
		469/00 Contr: (FN)
8096.0	M08a	Mode: CW Date/time: Wed 5-1-2011, 1400 UTC
		5f cut nums: 02631 87681 54121 Contr: (westli)
8096.0	M08a	Mode: CW Date/time: Fri 7-1-2011, 1400 UTC
		5f cut nums: 82471 ..... .... Contr: (westli)
8096.0	M08a	Mode: CW Date/time: Mon 10-1-2011, 1400 UTC
		5f cut nums: 8..81 56.51 46242 Contr: (westli)
8096.0	M08a	Mode: CW Date/time: Fri 14-1-2011, 1400 UTC
		5f cut nums: 03522 24021 07812 Contr: (westli)
8096.0	M08a	Mode: CW Date/time: Mon 17-1-2011, 1400 UTC
		5f cut nums: 07522 80272 56762 Contr: (westli)
8096.0	M08a	Mode: CW Date/time: Wed 19-1-2011, 1400 UTC
		25662 78751 16871 Contr: (BS3)
8096.0	M08a	Mode: CW Date/time: Fri 21-1-2011, 1400 UTC
		47612 03172 28631 Contr: (BS3)
8096.0	M08a	Mode: CW Date/time: Fri 21-1-2011, 1400 UTC
		5f cut nums: 47612 03172 28631 Contr: (westli)
8096.0	M08a	Mode: CW Date/time: Wed 26-1-2011, 1300 UTC
		43311 42241 25352 Contr: (BS3)
8096.0	M08a	Mode: CW Date/time: Wed 26-1-2011, 1300 UTC
		5f cut nums: 43311 42241 25352 Contr: (westli)
8096.0	M08a	Mode: CW Date/time: Wed 26-1-2011, 1400 UTC
		43311 42241 25352 Contr: (BS3)
8096.0	M08a	Mode: CW Date/time: Wed 26-1-2011, 1400 UTC
		5f cut nums: 43311 42241 25352 Contr: (westli)
8096.0	M08a	Mode: CW Date/time: Fri 28-1-2011, 1300 UTC
		12361 33821 05711 Contr: (BS3)
8096.0	M08a	Mode: CW Date/time: Fri 28-1-2011, 1300 UTC
		5f cut nums: 12361 33821 05711 Contr: (westli)
8096.0	M08a	Mode: CW Date/time: Fri 28-1-2011, 1400 UTC
		5f cut nums: 31481 82772 18171 Contr: (westli)
8096.0	M08a	Mode: CW Date/time: Mon 31-1-2011, 1300 UTC
		5f cut nums: 56012 40672 52251 Contr: (westli)
8096.0	M08a	Mode: CW Date/time: Mon 31-1-2011, 1400 UTC
		5f cut nums: 56012 40672 52251 Contr: (westli)
8097.0	M08a	Mode: MCW Date/time: Fri 21-1-2011, 1800 UTC
		64501 08232 23682 Contr: (BS3)
8097.0	M08a	Mode: MCW Date/time: Fri 21-1-2011, 1900 UTC
		64501 08232 23682 Contr: (BS3)
8097.0	M08a	Mode: MCW Date/time: Mon 24-1-2011, 1800
		13151 73522 34432 Contr: (BS3)
8097.0	M08a	Mode: MCW Date/time: Mon 24-1-2011, 1900
		5f cut nums: 34432 ..... .... Contr: (westli)
8097.0	M08a	Mode: MCW Date/time: Mon 24-1-2011, 1900
		13151 73522 34432 Contr: (BS3)
8097.0	M08a	Mode: AM Date/time: Mon 24-1-2011, 1930 UTC
		Contr: (Pres)
8097.0	M08a	Mode: MCW Date/time: Wed 26-1-2011, 1800
		..... 14832 13471 Contr: (BS3)
8097.0	M08a	Mode: MCW Date/time: Wed 26-1-2011, 1900
		10032 14832 13471 Contr: (BS3)

8097.0	M08a	Mode: CW Date/time: Thu 27-1-2011, 1800 UTC Contr: (Saber)
8097.0	M08a	Mode: CW Date/time: Fri 28-1-2011, 1400 UTC 31481 82772 18171 Contr: (BS3)
8097.0	M08a	Mode: MCW Date/time: Fri 28-1-2011, 1800 UTC 58402 06232 48301 Contr: (BS3)
8097.0	M08a	Mode: MCW Date/time: Fri 28-1-2011, 1800 UTC 5f cut nums: 58402 06232 48301 Contr: (westli)
8097.0	M08a	Mode: MCW Date/time: Fri 28-1-2011, 1900 UTC 58402 06232 48301 Contr: (BS3)
8097.0	M08a	Mode: MCW Date/time: Fri 28-1-2011, 1900 UTC 5f cut nums: 58402 06232 48301 Contr: (westli)
8097.0	M08a	Mode: MCW Date/time: Mon 31-1-2011, 1800 5f cut nums: 23381 .01... .... Contr: (westli)
8104.75	M42	Mode: RUS-ARQ 100/500 Date/time: 21-1-2011, Russian Gov/Intel. Contr: (BCI)
8110	M89	Mode: CW Date/time: 29-1-2011, 1535 UTC v 7NPE 7NPE 7NPE de QV5B QV5B QV5B Contr: (FN)
8116	M12	Mode: CW Date/time: Thu 6-1-2011, 1940 UTC 124 1 Contr: (HFD)
8135.0	M08a	Mode: CW Date/time: Fri 7-1-2011, 2300 UTC 5f cut nums: 54561 24802 53262 Contr: (westli)
8135.0	M08a	Mode: CW Date/time: Tue 18-1-2011, 2300 UTC 30171 17011 25711 Contr: (BS3)
8135.0	M08a	Mode: CW Date/time: Thu 20-1-2011, 2300 UTC 54181 54822 76002 Contr: (BS3)
8135.0	M08a	Mode: CW Date/time: Thu 20-1-2011, 2300 UTC 5f cut nums: 54181 54822 76002 Contr: (westli)
8135.0	M08a	Mode: CW Date/time: Tue 25-1-2011, 2300 UTC 60461 86781 86342 Contr: (BS3)
8135.0	M08a	Mode: CW Date/time: Tue 25-1-2011, 2300 UTC 5f cut nums: 60461 8..81 86..3 Contr: (westli)
8135.0	M08a	Mode: CW Date/time: Fri 28-1-2011, 2300 UTC 5f cut nums: ..... .... .... Contr: (westli)
8135.0	M08a	Mode: CW Date/time: Fri 28-1-2011, 2300 UTC TFC up late Contr: (BS3)
8180.0	SK01	Mode: RDFT Date/time: Thu 13-1-2011, 0900 12275582.txt 1024 bytes Contr: (BS3)
8180.0	SK01	Mode: RDFT Date/time: Tue 18-1-2011, 0800 77182174.txt 1024 bytes Contr: (BS3)
8180.0	SK01	Mode: RDFT Date/time: Tue 18-1-2011, 0900 77182174.txt 1024 bytes Contr: (BS3)
8180.0	SK01	Mode: RDFT Date/time: Tue 25-1-2011, 0800 74683263.txt 1024 bytes Contr: (BS3)
8180.0	SK01	Mode: RDFT Date/time: Tue 25-1-2011, 0900 74683263.txt 1024 bytes Contr: (BS3)
8180.0	SK01	Mode: RDFT Date/time: Thu 27-1-2011, 0800 468112151.txt 1024 bytes Contr: (BS3)
8180.0	SK01	Mode: RDFT Date/time: Thu 27-1-2011, 0900 46812151.txt 1024 bytes Contr: (BS3)
8186.0	M08a	Mode: MCW Date/time: Wed 12-1-2011, 0800 5f cut nums: ..... .... .... Contr: (westli)
8186.0	SK01	Mode: RDFT Date/time: Sat 1-1-2011, 0800 UTC Failed decode. Contr: (BKS)
8186.0	SK01	Mode: RDFT Date/time: Thu 13-1-2011, 1000 21525628.txt 1024 bytes Contr: (BS3)

8186.0	SK01	Mode: RDFT Date/time: Tue 18-1-2011, 1000 21525628.txt 1024 bytes Contr: (BS3)
8186.0	SK01	Mode: RDFT Date/time: Wed 19-1-2011, 0800 58577466.txt 1024 bytes Contr: (BS3)
8186.0	SK01	Mode: RDFT Date/time: Thu 20-1-2011, 1000 no decode qrm Contr: (BS3)
8186.0	SK01	Mode: RDFT Date/time: Fri 21-1-2011, 0800 58577466.txt 1024 bytes Contr: (BS3)
8186.0	SK01	Mode: RDFT Date/time: Mon 24-1-2011, 0800 53846277.txt 1024 bytes Contr: (BS3)
8186.0	SK01	Mode: RDFT Date/time: Tue 25-1-2011, 1000 66134668.txt 1024 bytes Contr: (BS3)
8186.0	SK01	Mode: RDFT Date/time: Wed 26-1-2011, 0800 53846277.txt 1024 bytes Contr: (BS3)
8186.0	SK01	Mode: RDFT Date/time: Thu 27-1-2011, 1000 41662222.txt 1024 bytes Contr: (BS3)
8192	M12	Mode: CW Date/time: 30-1-2011, 1838 UTC 5 fig tfc - ends 000 or TTT Contr: (EB)
8192.5	M42	Mode: CROWD-36 Date/time: 17-1-2011, 1636 Russian Gov/Intel. Contr: (BCI)
8215	S06s	Mode: AM Date/time: 7-1-2011, 0710 UTC 196 243 5 33509 Contr: (FN)
8420	S06s	Mode: AM Date/time: 10-1-2010, 1300 UTC 831 245 6 57039 Contr: (FN)
8420	S06s	Mode: AM Date/time: 17-1-2011, 1300 UTC 831 960 5 25792 08355 29844 62275 45274 960 5 00000 Contr: (HS2)
8494.7	MX	Mode: CW Date/time: 4-1-2010, 1012 UTC Beacon "D" Sevastopol Contr: (WP3)
8494.7	MX	Mode: CW Date/time: 9-1-2011, 1001 UTC Beacon "D" Contr: (norave)
8494.9	MX	Mode: CW Date/time: 4-1-2010, 1012 UTC Beacon "S" Severomorsk Contr: (WP3)
8494.9	MX	Mode: CW Date/time: 9-1-2011, 1051 UTC Beacon "S" Contr: (norave)
8495.3	MX	Mode: CW Date/time: 14-1-2011, 1158 UTC Petropavlovsk Russia "K" Contr: (EW)
8495.4	MX	Mode: CW Date/time: 14-1-2011, 1152 UTC Magadan Russia. Beacon "M" Contr: (EW)
8970.5	M51	Mode: CW Date/time: 15-1-2011, 1449 UTC BT NR 49 J 12 hh:mm:ss 1983 BT Contr: (ALF)
8970.5	M51	Mode: CW Date/time: 20-1-2011, 2217 UTC FAV22 - Narbonne Contr: (BCI)
9040.0	V02a	Mode: AM Date/time: Wed 5-1-2011, 0900 UTC SSYL atencion: 18561 67572 62152 Contr: (westli)
9040.0	V02a	Mode: AM Date/time: Wed 19-1-2011, 0900 UTC SSYL atencion: 04861 51771 72012 Contr: (westli)
9040.0	V02a	Mode: AM Date/time: Wed 19-1-2011, 0900 UTC 68821 32781 36681 Contr: (BS3)
9040.0	V02a	Mode: AM Date/time: Wed 26-1-2011, 0900 UTC SSYL atencion: 42031 52602 35442 Contr: (westli)
9040.0	V02a	Mode: AM Date/time: Wed 26-1-2011, 0900 UTC 42031 52602 35442 Contr: (BS3)
9063	M08a	Mode: CW Date/time: 5-1-2011, 0803 UTC

		in progress Contr: (ranger)
9063.0	M08a	Mode: MCW Date/time: Wed 5-1-2011, 0800 5f cut nums: 66670 7504 06271 Contr: (westli)
9063.0	M08a	Mode: MCW Date/time: Fri 7-1-2011, 0800 UTC 5f cut nums: 61102 82511 35422 Contr: (westli)
9063.0	M08a	Mode: MCW Date/time: Wed 12-1-2011, 0800 5f cut nums: ..... .... Contr: (westli)
9063.0	M08a	Mode: MCW Date/time: Fri 14-1-2011, 0800 UTC 5f cut nums: 22252 68341 01031 Contr: (westli)
9063.0	M08a	Mode: MCW Date/time: Wed 26-1-2011, 0800 5f cut nums: 42242 74472 08481 Contr: (westli)
9063.0	M08a	Mode: MCW Date/time: Wed 26-1-2011, 0800 74472 08481 42242 Contr: (BS3)
9063.0	M08a	Mode: MCW Date/time: Fri 28-1-2011, 0800 UTC 5f cut nums: 45062 08312 01412 Contr: (westli)
9063.0	M08a	Mode: MCW Date/time: Fri 28-1-2011, 0800 UTC 45062 08312 01412 Contr: (BS3)
9063.0	SK01	Mode: RDFT Date/time: Wed 19-1-2011, 0900 58577466.txt 1024 bytes Contr: (BS3)
9063.0	SK01	Mode: RDFT Date/time: Fri 21-1-2011, 0900 58577466.txt 1024 bytes Contr: (BS3)
9063.0	SK01	Mode: RDFT Date/time: Mon 24-1-2011, 0900 53846277.txt 1024 bytes Contr: (BS3)
9063.0	SK01	Mode: RDFT Date/time: Wed 26-1-2011, 0900 53846277.txt 1024 bytes Contr: (BS3)
9063.0	V02a	Mode: AM Date/time: Wed 12-1-2011, 0900 UTC SSYL atencion: 58612 71552 08841 Contr: (westli)
9076	X06	Mode: AM Date/time: 24-1-2011, 1458 UTC Mazielka. Sequence: 215346 Contr: (HS2)
9076	X06	Mode: AM Date/time: 26-1-2011, 1343 UTC Mazielka. Sequence: 215346 Contr: (HS2)
9079	E11	Mode: USB Date/time: 12-1-2011, 0930 UTC 270/00 Contr: (HS2)
9079	E11a	Mode: USB Date/time: 13-1-2011, 0930 UTC 270/00 Contr: (joe)
9079	E11a	Mode: AM Date/time: 20-1-2011, 0930 UTC 270/00 Contr: (FN)
9079	E11a	Mode: AM Date/time: 27-1-2011, 0930 UTC 278 attn 16137 39144 Contr: (FN)
9112.0	M08a	Mode: MCW Date/time: Mon 3-1-2011, 1000 5f cut nums: 83472 60771 63541 Contr: (westli)
9112.0	M08a	Mode: MCW Date/time: Sun 9-1-2011, 1000 UTC 5f cut nums: 60042 31532 68132 Contr: (westli)
9112.0	M08a	Mode: MCW Date/time: Mon 10-1-2011, 1000 5f cut nums: 42651 78481 43541 Contr: (westli)
9112.0	M08a	Mode: MCW Date/time: Fri 21-1-2011, 1000 UTC 5f cut nums: 14121 34771 75882 Contr: (westli)
9112.0	M08a	Mode: MCW Date/time: Fri 21-1-2011, 1000 UTC 14121 34771 75882 Contr: (BS3)
9112.0	M08a	Mode: MCW Date/time: Sun 23-1-2011, 1000 UTC 5f cut nums: 37861 71052 21471 Contr: (westli)
9112.0	M08a	Mode: MCW Date/time: Sun 23-1-2011, 1000 UTC 37861 71052 21471 Contr: (BS3)
9112.0	M08a	Mode: MCW Date/time: Mon 24-1-2011, 1000 51222 13682 32201 Contr: (BS3)
9112.0	M08a	Mode: MCW Date/time: Mon 24-1-2011, 1000

9112.0 M08a 5f cut nums: 51222 13682 32201 Contr: (westli)  
 Mode: MCW Date/time: Fri 28-1-2011, 1000 UTC  
 5f cut nums: 45771 06262 60151 Contr: (westli)  
 Mode: MCW Date/time: Fri 28-1-2011, 1000 UTC  
 45771 06262 60151 Contr: (BS3)  
 Mode: MCW Date/time: Mon 31-1-2011, 1000  
 5f cut nums: 70541 17872 52582 Contr: (westli)  
 Mode: AM Date/time: Fri 14-1-2011, 0003 UTC  
 EZI2 Contr: (why-DE)  
 9135 S06s Mode: AM Date/time: 18-1-2011, 0810 UTC  
 352 471 6 71625 Contr: (FN)  
 9138 M12 Mode: CW Date/time: Fri 7-1-2011, 0700 UTC  
 138 1 Contr: (HFD)  
 9153 V26 Mode: USB Date/time: 5-1-2010, 1000 UTC  
 Msg Contr: (Rusl)  
 9153 V26 Mode: USB Date/time: 7-1-2011, 1000 UTC  
 in progress Contr: (rusl)  
 9153 V26 Mode: USB Date/time: 10-1-2011, 1000 UTC  
 good signal Contr: (rusl)  
 9153 V26 Mode: USB Date/time: 22-1-2011, 1000 UTC  
 msg Contr: (rusl)  
 9153.0 M08a Mode: MCW Date/time: Wed 5-1-2011, 0700  
 5f cut nums: 66670 7504 06271 Contr: (westli)  
 9153.0 M08a Mode: MCW Date/time: Fri 7-1-2011, 0700 UTC  
 5f cut nums: ..... .... .... Contr: (westli)  
 9153.0 M08a Mode: MCW Date/time: Fri 14-1-2011, 0700 UTC  
 5f cut nums: 22252 68341 01031 Missed lead-  
 off ID. Contr: (westli)  
 9153.0 M08a Mode: MCW Date/time: Tue 18-1-2011, 0700 UTC  
 5f cut nums: 58432 35472 05532 Contr: (westli)  
 9153.0 M08a Mode: MCW Date/time: Wed 19-1-2011, 0700  
 5f cut nums: 04861 51771 72012 Contr: (westli)  
 9153.0 M08a Mode: MCW Date/time: Wed 19-1-2011, 0700  
 04861 51771 72012 Contr: (BS3)  
 9153.0 M08a Mode: MCW Date/time: Fri 21-1-2011, 0700 UTC  
 5f cut nums: ..... .... .... Contr: (westli)  
 9153.0 M08a Mode: MCW Date/time: Wed 26-1-2011, 0700  
 5f cut nums: 42242 74472 08481 missed first ID.  
 Contr: (westli)  
 9153.0 M08a Mode: MCW Date/time: Wed 26-1-2011, 0700  
 74472 08481 42242 Contr: (BS3)  
 9153.0 M08a Mode: MCW Date/time: Fri 28-1-2011, 0700 UTC  
 5f cut nums: 45062 08312 01412 Contr: (westli)  
 9153.0 V26 Mode: USB Date/time: Sat 15-1-2011, 1013 UTC  
 GlobalTuners Broome remote DX (Australia).  
 Good sig. i/p QSB3 Contr: (SWL1409)  
 9153.0 V26 Mode: USB Date/time: Mon 31-1-2011, 1000 UTC  
 CCYL. Ch Mandarin 3-fig groups. Caught late,  
 missed preambles. Contr: (westli)  
 9176 M12 Mode: CW Date/time: 31-1-2011, 2000 UTC  
 257 1 6686 54 87716 Contr: (FN)  
 9202 E10 Mode: AM Date/time: 8-1-2011, 1200 UTC  
 YHF2 Contr: (KK2)  
 9202 E10 Mode: AM Date/time: 29-1-2011, 1300 UTC  
 EZI G16 GNVYA Contr: (HS2)  
 9240.0 V02a Mode: AM Date/time: Wed 26-1-2011, 1000 UTC  
 SSYL atencion: 42031 52602 35442 Contr:

		(westli)
9240.0	V02a	Mode: AM Date/time: Wed 26-1-2011, 1000 UTC 42031 52602 35442 Contr: (BS3)
9351	X06	Mode: AM Date/time: 24-1-2011, 1453 UTC Mazielka. Sequence: 216354 Contr: (HS2)
9356	XPA	Mode: AM Date/time: Tue 4-1-2011, 0700 UTC msg Contr: (HFD)
9356	XPA	Mode: AM Date/time: Fri 7-1-2011, 0700 UTC msg Contr: (HFD)
9356	XPA	Mode: AM Date/time: 14-1-2011, 0700 UTC 391 1 00107 00207 49076 ... 64620 +++++ Contr: (FN)
9356	XPA	Mode: AM Date/time: 18-1-2011, 0700 UTC 391 1 00933 00171 30553 ... 44471 +++++ Contr: (FN)
9446	E11	Mode: USB Date/time: Mon 31-1-2011, 0830 UTC 649/00 Contr: (HFD)
9463	S06	Mode: AM Date/time: 31-1-2011, 1200 UTC 801 975/40 Contr: (MUK)
9505.0	M08a	Mode: CW Date/time: Thu 20-1-2011, 1300 UTC 5f cut nums: 67602 28411 65541 New Freq? Contr: (westli)
9505.0	M08a	Mode: CW Date/time: Fri 28-1-2011, 1300 UTC 5f cut nums: 12361 33821 05711 Contr: (westli)
9505.0	M08a	Mode: CW Date/time: Mon 31-1-2011, 1300 UTC 5f cut nums: 56012 40672 52251 Contr: (westli)
9610	S11	Mode: USB Date/time: 18-1-2011, 1020 UTC 422/30 14434 Contr: (FN)
9610	S11a	Mode: USB Date/time: Fri 21-1-2011, 1020 UTC msg Contr: (HFD)
9610	S11a	Mode: USB Date/time: 25-1-2011, 1020 UTC 426/00 Contr: (HS2)
9820	E17z	Mode: USB Date/time: 13-1-2011, 0810 UTC 674 283 5 78156 Contr: (FN)
9950	S06s	Mode: AM Date/time: 13-1-2011, 1210 UTC 167 840 5 77344 Contr: (FN)
9950.0	S06s	Mode: AM Date/time: Thu 20-1-2011, 0012 UTC ID 425, DK/GC: 978 6 Contr: (Danix)
10265	S06s	Mode: AM Date/time: 18-1-2011, 0800 UTC 352 471 6 71625 Contr: (FN)
10372	X06	Mode: USB Date/time: 24-1-2011, 0948 UTC Mazielka. Sequence: 431256 Contr: (FN)
10423	M24	Mode: CW Date/time: 28-1-2011, 1446 UTC ... 47788 60821 ... 52789 = = 279 279 61 61 0 0 0 0 0 Contr: (MPJ)
10432	V02a	Mode: AM Date/time: 9-1-2011, 0800 UTC Atencion ..... Contr: (rusl)
10432.0	M08a	Mode: MCW Date/time: Sun 2-1-2011, 0900 UTC 5f cut nums: 11011 40852 54321 Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Sun 9-1-2011, 0900 UTC 5f cut nums: 60042 31532 68132 Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Mon 10-1-2011, 0900 5f cut nums: 42651 78481 43541 Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Fri 14-1-2011, 0900 UTC 5f cut nums: 68801 68622 60061 Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Sun 16-1-2011, 0900 UTC 5f cut nums: 07041 02741 02401 Contr: (westli)

10432.0	M08a	Mode: MCW Date/time: Mon 17-1-2011, 0900 5f cut nums: 16312 34451 02271 Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Fri 21-1-2011, 0900 UTC 5f cut nums: 14121 34771 75882 Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Fri 21-1-2011, 0900 UTC 14121 34771 75882 Contr: (BS3)
10432.0	M08a	Mode: MCW Date/time: Sun 23-1-2011, 0900 UTC 37861 71052 21471 Contr: (BS3)
10432.0	M08a	Mode: MCW Date/time: Sun 23-1-2011, 0900 UTC 5f cut nums: 37861 71052 21471 Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Mon 24-1-2011, 0900 5f cut nums: 51222 131.. 322.1 Contr: (westli)
10432.0	M08a	Mode: MCW Date/time: Mon 24-1-2011, 0900 51222 13682 32201 Contr: (BS3)
10432.0	M08a	Mode: MCW Date/time: Fri 28-1-2011, 0900 UTC 45771 06262 60151 Contr: (BS3)
10580	S06s	Mode: AM Date/time: 13-1-2011, 1200 UTC 167 840 5 77344 Contr: (FN)
10635	S06s	Mode: AM Date/time: 10-1-2010, 1310 UTC 831 245 6 57039 Contr: (FN)
10635	S06s	Mode: AM Date/time: 17-1-2010, 1310 UTC 831 960 5 25792 08355 29844 62275 45274 960 5 00000 Contr: (HS2)
10648	E10	Mode: AM Date/time: 17-1-2011, 1200 UTC YHF G94 HJNUB Contr: (HS2)
10714.0	M08a	Mode: CW Date/time: Wed 26-1-2011, 1300 UTC 76311 30422 62161 Contr: (BS3)
10714.0	M08a	Mode: CW Date/time: Wed 26-1-2011, 1400 UTC 76311 30422 62161 TFC should have been on 10857k Contr: (BS3)
10730	X06	Mode: AM Date/time: 31-1-2011, 1230 UTC Mazielka. Sequence: 123456 Contr: (MUK)
10857.0	M08a	Mode: CW Date/time: Wed 5-1-2011, 1400 UTC 5f cut nums: 28572 7362. 56681 Contr: (westli)
10857.0	M08a	Mode: CW Date/time: Wed 12-1-2011, 1400 UTC 5f cut nums: 27641 24341 46271 Contr: (westli)
10857.0	M08a	Mode: CW Date/time: Wed 19-1-2011, 1400 UTC 5f cut nums: 60042 41581 15332 Contr: (westli)
10857.0	M08a	Mode: CW Date/time: Wed 19-1-2011, 1500 UTC 60042 41581 15332 Contr: (BS3)
10871.7	MX	Mode: CW Date/time: 9-1-2011, 1036 UTC Beacon "D" Contr: (norave)
10871.9	MX	Mode: CW Date/time: 4-1-2010, 1024 UTC Beacon "S" Severomorsk Contr: (WP3)
10871.9	MX	Mode: CW Date/time: 9-1-2011, 1036 UTC Beacon "S" Contr: (norave)
10956	XPA	Mode: AM Date/time: Tue 4-1-2011, 0720 UTC msg Contr: (HFD)
10956	XPA	Mode: AM Date/time: 14-1-2011, 0720 UTC 391 1 00107 00207 49076 ... 64620 +++++ Contr: (FN)
10956	XPA	Mode: AM Date/time: 18-1-2011, 0720 UTC 391 1 00933 00171 30553 ... 44471 +++++ Contr: (FN)
11025	X06	Mode: AM Date/time: 11-1-2011, 1017 UTC Mazielka. Sequence: 612534 Contr: (HS2)
11170	E17z	Mode: USB Date/time: 13-1-2011, 0800 UTC

		674 283 5 78156 Contr: (FN)
11411	X06	Mode: AM Date/time: 27-1-2011, 0945 UTC
		Mazielka. Sequence: 164532 Contr: (HS2)
11434.0	SK01	Mode: RDFT Date/time: Fri 28-1-2011, 0600
		no decode weak Contr: (BS3)
11435.0	SK01	Mode: RDFT Date/time: Sat 1-1-2011, 0600 UTC
		Too weak for decode. Contr: (BKS)
11435.0	SK01	Mode: RDFT Date/time: Wed 19-1-2011, 0600
		77182174.txt 1024 bytes Contr: (BS3)
11435.0	SK01	Mode: RDFT Date/time: Fri 21-1-2011, 0600
		no decode qrm Contr: (BS3)
11435.0	SK01	Mode: RDFT Date/time: Mon 24-1-2011, 0600
		no decode weak Contr: (BS3)
11435.0	SK01	Mode: RDFT Date/time: Wed 26-1-2011, 0600
		74683263.txt 1024 bytes Contr: (BS3)
11532.0	SK01	Mode: RDFT Date/time: Fri 28-1-2011, 0600
		no decode weak Contr: (BS3)
11565.0	M08a	Mode: CW Date/time: Thu 13-1-2011, 0400 UTC
		5f cut nums: 70541 48402 11302 Contr: (westli)
11780	S06s	Mode: AM Date/time: 7-1-2011, 0930 UTC
		516 239 7 45232 Contr: (FN)
11830	S06s	Mode: AM Date/time: 19-1-2011, 0840 UTC
		745 812 6 67144 Contr: (FN)
12120.0	SK01	Mode: RDFT Date/time: Wed 19-1-2011, 0500
		77182174.txt 1024 bytes Contr: (BS3)
12120.0	SK01	Mode: RDFT Date/time: Fri 21-1-2011, 0500
		no decode qrm Contr: (BS3)
12120.0	SK01	Mode: RDFT Date/time: Mon 24-1-2011, 0500
		no decode weak Contr: (BS3)
12120.0	SK01	Mode: RDFT Date/time: Tue 25-1-2011, 0500
		74683263.txt 1024 bytes Contr: (BS3)
12120.0	SK01	Mode: RDFT Date/time: Wed 26-1-2011, 0500
		74683263.txt 1024 bytes Contr: (BS3)
12120.0	SK01	Mode: RDFT Date/time: Thu 27-1-2011, 0500
		no decode weak Contr: (BS3)
12120.0	SK01	Mode: RDFT Date/time: Fri 28-1-2011, 0500
		no decode weak Contr: (BS3)
12134.0	M08a	Mode: CW Date/time: Mon 3-1-2011, 1400 UTC
		5f cut nums: ..... .... Contr: (westli)
12134.0	M08a	Mode: CW Date/time: Thu 6-1-2011, 1400 UTC
		5f cut nums: ..... .... Contr: (westli)
12134.0	M08a	Mode: CW Date/time: Thu 13-1-2011, 1400 UTC
		5f cut nums: 31241 88052 16022 Contr: (westli)
12134.0	M08a	Mode: CW Date/time: Thu 20-1-2011, 1400 UTC
		5f cut nums: 67602 ..... Contr: (westli)
12134.0	M08a	Mode: CW Date/time: Mon 24-1-2011, 1400 UTC
		5f cut nums: 51671 84232 63202 Contr: (westli)
12134.0	M08a	Mode: CW Date/time: Mon 24-1-2011, 1400 UTC
		51671 84232 63206 Contr: (BS3)
12134.0	M08a	Mode: CW Date/time: Thu 27-1-2011, 1400 UTC
		TFC came up late Contr: (BS3)
12156	XPA	Mode: AM Date/time: Tue 4-1-2011, 0740 UTC
		msg Contr: (HFD)
12156	XPA	Mode: AM Date/time: 14-1-2011, 0740 UTC
		391 1 00107 00207 49076 ... 64620 +++++ Contr:
		(FN)
12156	XPA	Mode: AM Date/time: 18-1-2011, 0740 UTC

		391 1 00933 00171 30553 ... 44471 +++++ Contr: (FN)
12180.0	M08a	Mode: MCW Date/time: Thu 20-1-2011, 1900 UTC 5f cut nums: ..... .... Contr: (westli)
12180.0	V02a	Mode: LSB Date/time: Tue 4-1-2011, 1900 UTC 5f cut nums: 60231 75582 35501 Contr: (westli)
12180.0	V02a	Mode: AM Date/time: Thu 20-1-2011, 1900 UTC SSYL: 17262 ..... Contr: (westli)
12180.0	V02a	Mode: AM Date/time: Tue 25-1-2011, 1900 UTC TFC up late Contr: (BS3)
12180.0	V02a	Mode: AM Date/time: Thu 27-1-2011, 1900 UTC SSYL atencion: 73401 35731 51142 Contr: (westli)
12180.0	V02a	Mode: AM Date/time: Thu 27-1-2011, 1900 UTC 73401 35731 51142 Contr: (BS3)
12214.0	M08a	Mode: CW Date/time: Tue 18-1-2011, 1300 UTC 18332 50762 73422 Contr: (BS3)
12214.0	M08a	Mode: CW Date/time: Tue 25-1-2011, 1300 UTC 37082 58401 58042 Contr: (BS3)
12214.0	M08a	Mode: CW Date/time: Fri 28-1-2011, 1300 UTC 31481 82772 18171 Contr: (BS3)
12365	S06s	Mode: AM Date/time: 12-1-2011, 1000 UTC 729 846 5 98045 Contr: (FN)
12365	S06s	Mode: AM Date/time: 12-1-2011, 1000 UTC 729 846 5 98045 95672 71514 83302 46457 846 5 00000 Contr: (HS2)
12365	S06s	Mode: AM Date/time: 26-1-2011, 1000 UTC interfering with a maritime station Contr: (rusl)
12365	S06s	Mode: AM Date/time: 26-1-2011, 1000 UTC 729 463 5 54091 Contr: (FN)
12365.0	S06s	Mode: USB Date/time: Wed 12-1-2011, 1000 UTC ID: 729. Contr: (SWL1409)
12570	S06s	Mode: AM Date/time: 7-1-2011, 0940 UTC 516 239 7 45232 Contr: (FN)
12952	S06s	Mode: AM Date/time: 13-1-2011, 0900 UTC 167 840 5 77344 Contr: (FN)
12952	S06s	Mode: USB Date/time: 27-1-2011, 0900 UTC Callup "167". YL/RR Contr: (brixmis)
12952	S06s	Mode: AM Date/time: Thu 27-1-2011, 0900 UTC 167-520/8=41737 Contr: (HFD)
13374.0	M08a	Mode: CW Date/time: Tue 18-1-2011, 1400 UTC 14302 56201 31002 Contr: (BS3)
13374.0	M08a	Mode: CW Date/time: Fri 21-1-2011, 1400 UTC 52662 50232 22822 Contr: (BS3)
13374.0	M08a	Mode: CW Date/time: Tue 25-1-2011, 1400 UTC 37082 58401 58042 Contr: (BS3)
13374.0	M08a	Mode: CW Date/time: Fri 28-1-2011, 1400 UTC 12361 33821 05711 wrong freq should be 8096k Contr: (BS3)
13380.0	M08a	Mode: AM Date/time: Sat 1-1-2011, 2030 UTC Ended with a Windows XP log off sound Contr: (Pres)
13380.0	M08a	Mode: CW Date/time: Tue 18-1-2011, 2000 UTC 64371 81432 76652 on wrong freq Contr: (BS3)
13380.0	M08a	Mode: MCW Date/time: Thu 20-1-2011, 2000 UTC 5f cut nums: ..... .... Up late IP. With V2a. Contr: (westli)

13380.0	M08a	Mode: AM Date/time: Thu 20-1-2011, 2020 UTC Ended with a Windows XP log off sound Contr: (Pres)
13380.0	SK01	Mode: RDFT Date/time: Wed 19-1-2011, 0530 77182174.txt 1024 bytes Contr: (BS3)
13380.0	SK01	Mode: RDFT Date/time: Fri 21-1-2011, 0530 no decode qrm Contr: (BS3)
13380.0	SK01	Mode: RDFT Date/time: Mon 24-1-2011, 0500 no decode weak Contr: (BS3)
13380.0	SK01	Mode: RDFT Date/time: Tue 25-1-2011, 0530 74683263.txt 1024 bytes Contr: (BS3)
13380.0	SK01	Mode: RDFT Date/time: Wed 26-1-2011, 0530 74683263.txt 1024 bytes Contr: (BS3)
13380.0	SK01	Mode: RDFT Date/time: Thu 27-1-2011, 0500 no decode weak Contr: (BS3)
13380.0	V02a	Mode: AM Date/time: Tue 4-1-2011, 2000 UTC 5f cut nums: 60231 75582 35501 Contr: (westli)
13380.0	V02a	Mode: AM Date/time: Thu 6-1-2011, 2000 UTC SSYL: 86052 77502 24631 Contr: (westli)
13380.0	V02a	Mode: AM Date/time: Thu 13-1-2011, 2000 UTC SSYL atencion: 31621 30821 45741 Very weak sig. IDs very questionable. Contr: (westli)
13466	M42	Mode: Baudot 50/500 Date/time: 8-1-2011, Russian Gov/Intel. 5FGs; =50=, =100= separators & OP-chat Contr: (linkz)
13510	X06	Mode: AM Date/time: 11-1-2011, 1011 UTC Mazielska. Sequence: 612534 Contr: (HS2)
13527.7	MX	Mode: CW Date/time: 4-1-2010, 1030 UTC Beacon "D" Sevastopol Contr: (WP3)
13527.7	MX	Mode: CW Date/time: 16-1-2010, 0802 UTC Beacon "D" Contr: (VL)
13527.7	MX	Mode: CW Date/time: 9-1-2011, 1101 UTC Beacon "D" Contr: (norave)
13527.7	MX	Mode: CW Date/time: 18-1-2011, 1158 UTC Beacon "D" Contr: (MPJ)
13528.1	MX	Mode: CW Date/time: 4-1-2010, 1030 UTC Beacon "A" Astrachan Contr: (WP3)
13528.1	MX	Mode: CW Date/time: 16-1-2010, 0803 UTC Beacon "A" Contr: (VL)
13528.4	MX	Mode: CW Date/time: 16-1-2010, 0806 UTC Beacon "M" Contr: (VL)
13565	S06s	Mode: AM Date/time: 13-1-2011, 0910 UTC 167 840 5 77344 Contr: (FN)
13565	S06s	Mode: AM Date/time: Thu 27-1-2011, 0910 UTC 167 Contr: (HFD)
13565	S06s	Mode: USB Date/time: 27-1-2011, 0910 UTC Callup "167". YL/RR Contr: (brixmis)
13911	M03	Mode: CW Date/time: 30-1-2011, 1421 UTC 879/00 879/00 repeated = = 0 0 0 Contr: (MPJ)
13961	X06	Mode: AM Date/time: 26-1-2011, 1321 UTC Mazielska. Sequence: 216354 Contr: (HS2)
14280	S06s	Mode: AM Date/time: 12-1-2011, 1010 UTC 729 846 5 98045 Contr: (FN)
14280	S06s	Mode: AM Date/time: 26-1-2011, 1010 UTC 729 463 5 54091 Contr: (FN)
14280.0	S06s	Mode: USB Date/time: Wed 12-1-2011, 1010 UTC ID:729. Good sig but 12365 was better. Contr:

(SWL1409)			
14521	M42	Mode: Baudot 200/500 Date/time: 8-1-2011, Russian Gov/Intel. Null msg Contr: (linkz)	
14871	X06	Mode: AM Date/time: 12-1-2011, 0951 UTC Mazielka. Sequence: 156234 Contr: (HS2)	
14871	X06	Mode: AM Date/time: 12-1-2011, 0955 UTC Mazielka. Sequence: 156234 Contr: (FN)	
14970	X06	Mode: AM Date/time: 12-1-2011, 0950 UTC Mazielka. Sequence: 216354 Contr: (FN)	
14970	X06	Mode: AM Date/time: 12-1-2011, 0950 UTC Mazielka. Sequence: 216354 Contr: (HS2)	
15810	E06	Mode: AM Date/time: Thu 13-1-2011, 0700 UTC 139 Contr: (HFD)	
15810	E06	Mode: AM Date/time: 27-1-2011, 0700 UTC 139 00000 Contr: (FN)	
16331.7	MX	Mode: CW Date/time: 4-1-2010, 1032 UTC Beacon "D" Sevastopol Contr: (WP3)	
16331.7	MX	Mode: CW Date/time: 13-1-2011, 1333 UTC Beacon "D" Contr: (norave)	
16331.9	MX	Mode: CW Date/time: 13-1-2011, 1333 UTC Beacon "S" Contr: (norave)	
16332.1	MX	Mode: CW Date/time: 4-1-2010, 1032 UTC Beacon "A" Astrachan Contr: (WP3)	
20047.9	MX	Mode: CW Date/time: 4-1-2010, 1034 UTC Beacon "S" Severomorsk Contr: (WP3)	

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## CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-EST	Ary Boender via UVB75 relay in Estonia
AB-HK	Ary Boender via GlobalTuners Hong Kong
AgBr	Agressor, Brazil
ALF	Alf, Germany
AnEur	Anonymous Europe
AtB	Attu Bosch, AK, USA
BCI	Bruno Casula, Italy
Bengerri	Bengerri, Italy
BKS	Brandon Longo, CA, USA
brixmis	Brixmis, UK
BS3	Barry Sandefer, TN, USA
BvR	Bert van Rij, Netherlands
CK	Costas, Southern Europe
Danix	Danix111, Poland
EB	Eddie Bellerby, UK
EW	Eddy Waters, Australia
Ewok-DE	Ewok via Germany
Ewok-IT	Ewok via Italy
Ewok-NL	Ewok via the Netherlands
Ewok-UK	Ewok via UK
FN	Fritz Nusser, Switzerland
HFD	Hans-Friedrich Dumrese, Germany
HS2	Hans Snekvik, W. Europe
IK1ODO	Marco, Italy
IP-DE	Ivellios Paranormali, Germany (remote)
IP-GRC	Ivellios Paranormali, Greece (remote)

IP-SE	Ivellios Paranormali, Sweden (remote)
IP-SVK	Ivellios Paranormali, Slovakia (remote)
Joe	Joe, Italy
Jon-FL	Jon, FL, USA
JPL-AUT	JPL via GlobalTuners Austria
JPL-HK	JPL via GlobalTuners Hong Kong
JPL-SVK	JPL via GlobalTuners Slovakia
KC9OP	KC9OP, IN, USA
KK2	Kristian K, Central Europe
linkz	Linkz, S.E. France
Man	Manassas, VA, USA
MPJ	Jim, SW England
MUK	Mikesndbs, UK
Norave	Norave (GFD)
NW	Nick Warren, KS, USA
PPA	Peter Poelstra, Netherlands
Pres	PresentedIn4D, NY, USA
Ranger	ranger, UT, USA
rusl	Russell, Australia
Saber	SaberWing, N. Ireland
SW2	Sam Wright, UK
SWA	Shortwave America, ILL, USA
SWL1409	SWL 1409, France
TW3	The Web, FL, USA
Vambo	Vambo, CO, USA
VL	Vincent Lecler, France
Westli	Westli, CA, USA
why	Y Greenberg
why-AUT	Y Greenberg via GlobalTuners Austria
why-DE	Y Greenberg via GlobalTuners Germany
why-IT	Y Greenberg via GlobalTuners Italy
WP3	Wolfgang Palmberger

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#### Relevant mailing lists:

- Utility DXers Forum (utility and spooks related logs).  
Go to <http://groups.yahoo.com/group/udxf/> and follow the instructions.  
Website: <http://www.udxf.nl/>
  
- Spooks (spooks related info and logs)  
Go to the web interface to subscribe, fill in the form and follow the instructions that will be mailed to you.  
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